

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

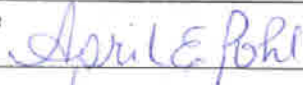
FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 14-20-151-56
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name Southern Ute Indian Tribe
2. Name of Operator Four Star Oil & Gas Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 332 RD. 3100 Aztec, NM 87410	3b. Phone No. (include area code) 505-331-1901	8. Lease Name and Well No. Sam Burch #26-D1
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 1045' FNL & 1154' FEL At proposed prod. zone 2360' FSL & 1645' FEL		9. API Well No.
14. Distance in miles and direction from nearest town or post office* 10.75 miles to Ignacio, CO.		10. Field and Pool, or Exploratory Ignacio-Blanco
15. Distance from proposed* 1645' to nearest lease line location to nearest 1115.3' from nearest unit line property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease Total 2560	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 10, T32N, R9W, N.M.P.M.
18. Distance from proposed location* 1227' to SB #26 FRLDC to nearest well, drilling, completed, well applied for, on this lease, ft.	19. Proposed Depth 3540'	12. County or Parish La Plata
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL Elevation 6688'	22. Approximate date work will start* 10/20/2015	13. State CO
20. BLM/BIA Bond No. on file BIA-K02907914-F4072 BLM-K0357927A		17. Spacing Unit dedicated to this well E/2
23. Estimated duration 16 days		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) April E. Pohl	Date 6/4/15
Title Permitting Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

Surface Use Plan

Four Star Oil & Gas Company

Sam Burch #26-D1 Well
Lease #14-20-151-56

Twp 32 N, Rge 9 W N.M.P.M.
Section 10: NE/4NE/4
1045' FNL x 1154' FEL
La Plata County, CO

Prepared by: Finney Land Co.
For: Four Star Oil & Gas Company
May 15, 2015

Surface Use Plan, Sam Burch #26-D1 Well

1.0 EXISTING ROADS:

See attached plat, Survey Plat A.

The existing "Texaco Hill" road is the main access road (the first 4.7 miles) for this well. The last approximately 0.9 mile of the access road turns off of the Texaco Hill road and is the existing Sam Burch #21 Well access road. This road will be used for the Sam Burch #26-D1 Well also.

The "Texaco Hill" road is maintained by oil and gas operators that use it under a "Road Maintenance Agreement" that is overseen by the La Plata County Energy Council. Four Star Oil & Gas Company contributes to this road maintenance.

The existing 0.9 mile of access road that is not part of the "Texaco Hill" road (the last 0.9 mile described below) is approximately 20 feet in width. The road shall be properly maintained in the same or better condition than presently found. The road conditions will be evaluated during the spring of each year. If necessary, additional base material and/or pulling of material from slopes back onto existing running surface to maintain crowning for off road drainage of precipitation run off will be done.

Access:

From the junction of State Highway 172 and La Plata County Road 318 in Ignacio, Colorado, travel West on County Road 318 for 12.4 miles;

- 1) Go left (South) onto existing "Texaco Hill" road for 0.3 miles;
- 2) Go straight (South) on "Texaco Hill" road for 0.9 miles;
- 3) Go left (South) on "Texaco Hill" road for 0.9 miles;
- 4) Go straight (Southeast) on "Texaco Hill" road for 0.8 miles;
- 5) Go straight (East) on "Texaco Hill" road for 1.0 mile;
- 6) Go left (Northeast) on "Texaco Hill" road 0.8 miles;
- 7) Go straight (Northeast) on existing Sam Burch #21 access road for 0.6 miles;
- 8) Go right (East) on existing Sam Burch #21 access road for 0.3 miles to staked location on Sam Burch #21 wellpad.

2. NEW ACCESS ROADS: NOT APPLICABLE

No new access roads will need to be constructed. The road is currently in good shape and no additional work is necessary to facilitate the drilling and completion of the proposed well.

3. LOCATION OF EXISTING GAS & WATER WELL(S):

See attached plat for details, Plat B, There are no domestic water wells within 1 mile of the proposed well.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES:

See attached survey plats, Survey Plat C-1 – Pad Drawing and Survey Plat C-2 Pipeline Survey Plat

A: The proposed wells are to be located within the current surface disturbance of the existing Sam Burch #21 wellpad. The new proposed facilities consist of a two (2) wellheads with wellhead piping, two (2) pumping units with electric motors, casing and tubing flowlines from each proposed well to the existing separator already on location, v-cone meters on each casing flowline, water meters on each tubing flowline, one (1) new TotalFlow EFM (including batteries and solar array) to replace the existing AutoPilot EFM (including batteries and solar array), and an electrical rack with primary disconnect and load center. All permanent equipment will be painted green as required.

5. LOCATION AND TYPE OF WATER SUPPLY:

Water for drilling and completion operations for the proposed wells will be sourced from Basin Disposal, Inc. and from Hydropure Technology, Inc. Water will be trucked to the site using the same roads described above. It is estimated that 1900 barrels of water may be used during the drilling phase of the project and another 3280 barrels of water used during the completion phase. The total anticipated number of truck trips is approximately 50.

Water for drilling and completion operations involves potable water, fresh water, and 2% KCl water.

The potable water will be sourced from Hydropure Technology, Inc. located at 711 North Light Plant Road, Aztec, NM 87410. The potable water will be trucked to the site using the same roads described above. It is estimated that 150 barrels of water may be used during the drilling phase of the project and another 150 barrels of water used during the completion phase. The total anticipated number of truck trips for the potable water is approximately 13. The trucks used to transport the potable water will be 24 bbl capacity, bobtail trucks.

The fresh water will be sourced from Basin Disposal Inc. located at 200 Montana, Bloomfield, NM 87413. Basin Disposal gets their fresh water from the City of Bloomfield, New Mexico. The fresh water will be trucked to the site using the same roads as described above. It is estimated that 1750 barrels of water may be used during the drilling phase of the project and another 3000 barrels of water used during completion. The total anticipated number of truck trips for the fresh water is approximately 35. The trucks used to transport the fresh water will have a capacity of 130 bbl.

The 2% KCl water will be sourced from Basin Disposal Inc. located at 200 Montana, Bloomfield, NM 87413. The 2% KCl water will be trucked to the site using the same roads as described above. No 2% KCl water will be used during the drilling phase of the project and 130 barrels of water used during completion. The total anticipated number of truck trips for the 2% KCl water is approximately 2. The trucks used to transport the KCl water will be 130 bbl capacity.

6. CONSTRUCTION MATERIALS:

Minimal new construction materials will be necessary for this site because it is on an existing wellpad. If necessary, all of the construction materials for the proposed work will be obtained onsite or trucked from a third-party commercial facility. Road Base will be used to build the pad for the pumping unit and to back fill any low spots on the pad. Washed gravel will be spread around the equipment. Fill dirt may also be needed to back fill the on-pad pipeline. The construction materials obtained from an offsite facility will be coming from Durango Gravel's pit located at 995 Highway 3, Durango, CO (Twp 34 N, Rge 9 W NUL, Sec. 2: SE/4)

The new on-pad gas piping from each wellhead to the separator is made of 4" x .237" or 6" x .280" pipe (ASTM A106 Grade B, SMLS, FBE – rated to more than 1000psi. Water piping will be made of 2" x .218" pipe (ASTM A106 Grade B, SMLS, FBE – rated to more than 1500psi).

7. METHODS FOR HANDLING WASTE:

A. DRILL CUTTINGS: The drilling operation will utilize a closed loop mud system with all make-up fluids and mud return cuttings and fluids contained in above ground steel pits. 30 mm reinforced liners will be placed under the tanks and a 6" coil drain pipe will be placed under the liner around the border of the tanks. All drill cuttings and non-recycled drill fluids will be transported off site to approved commercial disposal facilities. Where possible, fluids will be recycled during the drilling operation

Drill cuttings disposal:

Facility Name: Industrial Ecosystems, Inc.
Permit #: NM01-0010B
Address of Facility: 49 County Rd. 215, Aztec, NM 87410

B. RETURN FLUIDS: The completion and work-over operation(s) will also utilize steel tanks to capture, contain and control all return fluids until these fluids are transported off site to approved commercial disposal facilities. Where possible, fluids will be recycled during completion or work-over operations. 30 mm reinforced liners will be placed under the tanks and a 6" coil drain pipe will be placed under the liner around the border of the tanks.

Return Fluids disposal:

Facility name: Sunco
Permit #: UIC-CL1-005
Address of Facility: 345 County Rd. 350, Farmington, NM 87401

Unused Drilling mud left after drilling the well:

Facility Name: Sunco
Permit #: UIC-CL1-005
Address of Facility: 345 County Rd. 350, Farmington, NM 87401

C. GARBAGE AND TRASH: All garbage and trash will be contained in a cage and hauled away to an approved landfill.

Garbage and Trash Disposal:

Name of Facility: San Juan County Landfill
Permit #: 052426
Address of Facility: 78 County Road 3140, Aztec, NM 87410

D. CHEMICAL TOILETS: Chemical toilets will be provided and maintained during construction, drilling and completion operations.

E. NON-FRESH WATER STORAGE: Any tanks used to handle or store any material other than fresh water will have 30 mm reinforced liners will be placed under the tanks and a 6" coil drain pipe will be placed under the liner around the border of the tanks.

F. DRILLING MUD: Drilling Mud will be mixed on site in the steel mud tank. Fresh water will be mixed with dry additives to make up the drilling mud. The dry additives will be stored in pallets until used. The dry additives will be stored in the shrink wrap plastic until used. A plastic tarp will be placed over them and be securely fastened. Any drilling mud left after drilling the well will be disposed of at a properly licensed facility.

G. COMPLETION FLUID: The completion fluid will utilize fresh water as a base material. The water will be stored in 400 bbl. frac tanks. Any fracturing additives will be pumped "on-the-fly" by the hydraulic fracturing company. The fracturing chemicals will be brought to the location by truck in either drums, "totes", or in the case of any dry materials in bags stored on pallets. Any fracturing fluid chemical left after the treatment(s) will be removed by the hydraulic fracturing company and returned to their warehouse.

8. ANCILLARY FACILITIES

Camper trailers will be on location for the company man, tool pusher, mud logger and drilling engineers during drilling and completion operations.

9. WELLSITE LAYOUT:

See Drawing D-1 - Drilling Site Layout and Drawing D-2 - Pad Cross Section.

The referenced drawing depicts the layout of the proposed well pad utilizing a closed loop mud/returns system during the drilling and completion operation phases. If the well is completed as a producer, production equipment will be constructed on the location and the equipment will be painted as required.

10. SURFACE RESTORATION/RECLAMATION:

See Drawing E for the proposed interim reclamation area. Interim and final reclamation will be done pursuant to the requirements of the Southern Ute Indian Tribe and the BLM. Interim reclamation will be minimal. It will consist of weed control, erosion control, and re-seeding disturbed areas that are not part of the proposed pad or an existing pad. Final reclamation shall include, but not be limited to: re-contouring the land back to its original condition as much as practical, redistribution of topsoil, reseeding to reestablish vegetation, insuring proper drainage to prevent erosion, and weed control.

No new surface disturbance is anticipated. The well is proposed to be drilled on the existing Sam Burch #21 wellpad. Appropriate storm-water measures will be installed as necessary to prevent erosion and runoff.

11. SURFACE OWNERSHIP:

Southern Ute Indian Tribe, P.O. Box 1500, Ignacio, CO 81137

12. OTHER INFORMATION:

Contact the following persons for operations, engineering, and/or regulatory issues:

Permitting Specialist:

April E. Pohl (505) 333-1941 april.pohl@chevron.com

San Juan Basin Operations Supervisor:

George Badovinatz (505) 333-1912 gbado@chevron.com

Lead Facility Engineer:

Andy Olson (505) 333-1954 andrewolson@chevron.com

HES Specialist:

Don Lindsey (505) 333-1920 LLIN@Chevron.com

Chevron San Juan Field Management Team Office
332 Road 3100
Aztec, New Mexico 87410
Office: (505) 333-1901

13. OPERATOR CERTIFICATION:

I certify that I, or someone under my supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation, that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 4 day of June, 2015

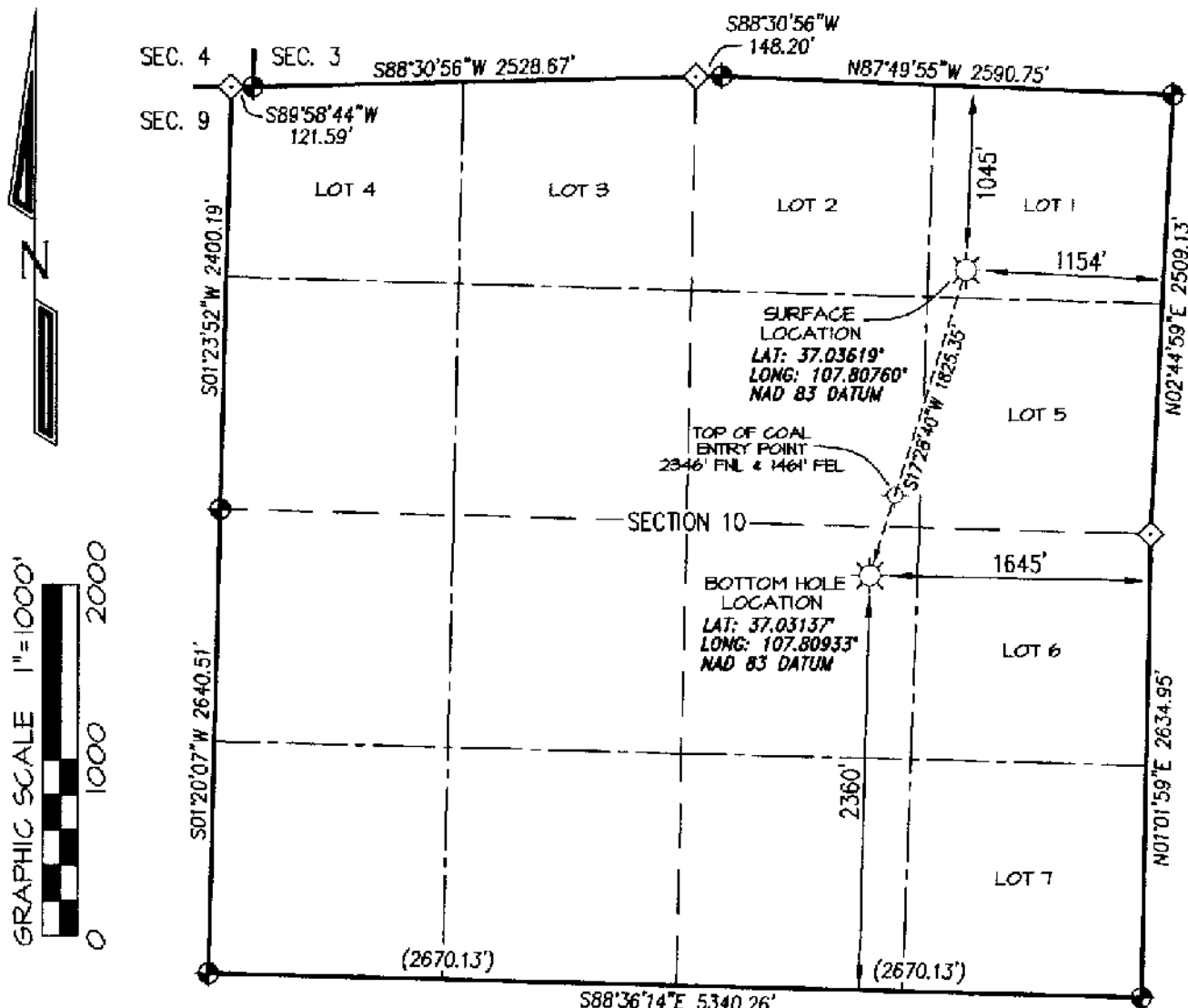
Name: April E. Pohl signature

April E. Pohl - printed name
Permitting Specialist
Four Star Oil & Gas Company
332 Road 3100
Aztec, NM 87410

FOUR STAR OIL & GAS COMPANY SAM BURCH 26-D1

SURFACE LOCATION: 1045' FNL, 1154' FEL
SEC. 10, T-32-N, R-9-W, N.M.P.M., LA PLATA COUNTY, COLORADO.
GROUND LEVEL ELEVATION: 6688'

BOTTOM HOLE LOCATION: 2360' FSL, 1645' FEL
SEC. 10, T-32-N, R-9-W, N.M.P.M., LA PLATA COUNTY, COLORADO.



BASIS OF BEARING:

REAL-TIME KINEMATIC GPS SURVEY
SOLUTION OF CO SOUTH STATE
PLANE (NAD 83) COORDINATE GRID
- NO ROTATION OR SCALE FACTOR APPLIED -

BASIS OF ELEVATION

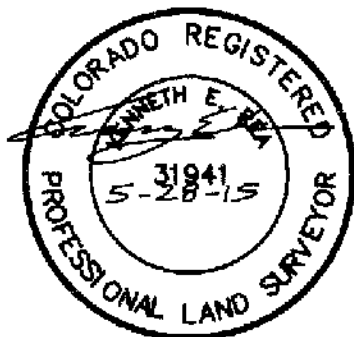
N.G.S. SURVEY MARK "IGNATION" LOCATED IN THE
SE/4 NE/4 OF SECTION 6, T33N, R74W, N.M.P.M., LA PLATA
COUNTY COLORADO. REFERENCE ELEVATION = 6590'

NOTES:

1. WELL LOCATION FOOTAGE CALLS MEASURED PERPENDICULAR TO SECTION LINES.
2. SURFACE USE FOR THE LAND SURROUNDING THIS LOCATION IS SOUTHERN UTE TRIBAL LAND.
3. VISIBLE IMPROVEMENTS WITHIN 500' OF WELL BORE LOCATION ARE NOTED ON ATTACHED PAD DIAGRAM.
4. THERE ARE NO BUILDING UNITS, SURFACE WATERS, OR RIPARIAN AREAS WITHIN 1000' OF THE WELL BORE LOCATION.
5. THERE ARE NO PUBLIC ROADS, MAJOR ABOVE GROUND UTILITIES, OR RAILROADS WITHIN 200' OF THE WELL BORE LOCATION.
6. THERE ARE NO PROPERTY BOUNDARY LINES WITHIN 150' OF THE WELL BORE LOCATION.
7. WELL GPS OBSERVATION PERFORMED BY NELSON ROSS ON DATE OF SURVEY - PDOP VALUE = 1.93
8. THIS EXHIBIT IS INTENDED TO DEPICT THE PROPOSED WELL LOCATION AND DOES NOT REPRESENT A MONUMENTED BOUNDARY SURVEY.

◆ denotes found 2-1/2" G.L.O. brass cap.

◇ denotes single proportion calculated position.



I, KENNETH E. REA, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE WELL LOCATION SHOWN ON THIS PLAT IS ACCURATELY PLOTTED FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY DIRECT SUPERVISION, AND THAT THIS PLAT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT, AND THAT IS IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING, OR OTHER FUTURE IMPROVEMENT LINES.

DRAWN BY: K.R. SURVEYED: 1/29/15
CHECKED BY: K.R. DATE: 3/05/15
FILE NO.: CH10910108 FOR AG. CH109

PREPARED FOR:

FOUR STAR OIL & GAS COMPANY

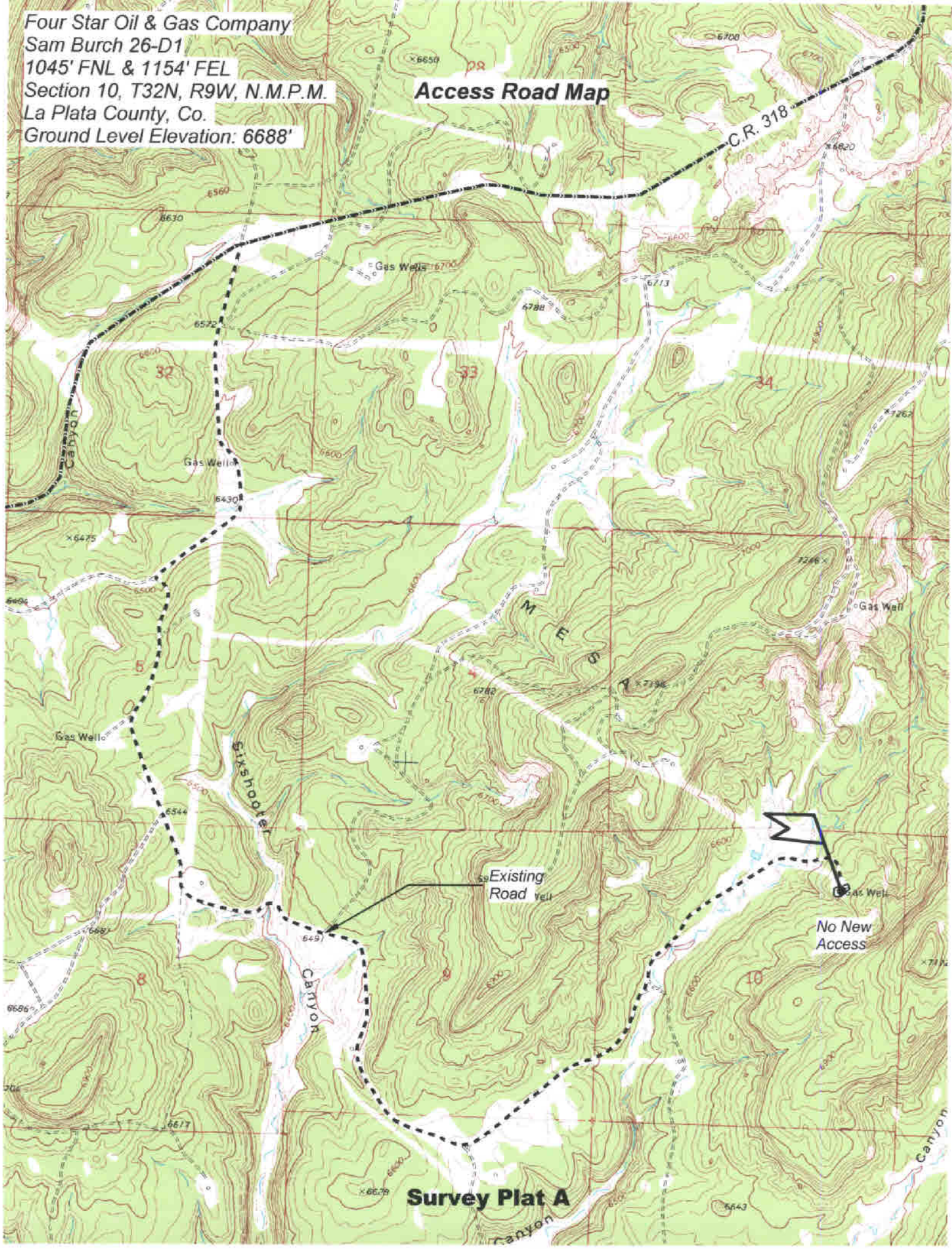
**NORTHSTAR
SURVEYING & MAPPING, INC.**

75 County Rd. 231
DURANGO, CO. 81303
(970) 385-0851

Well Location Survey Plat A

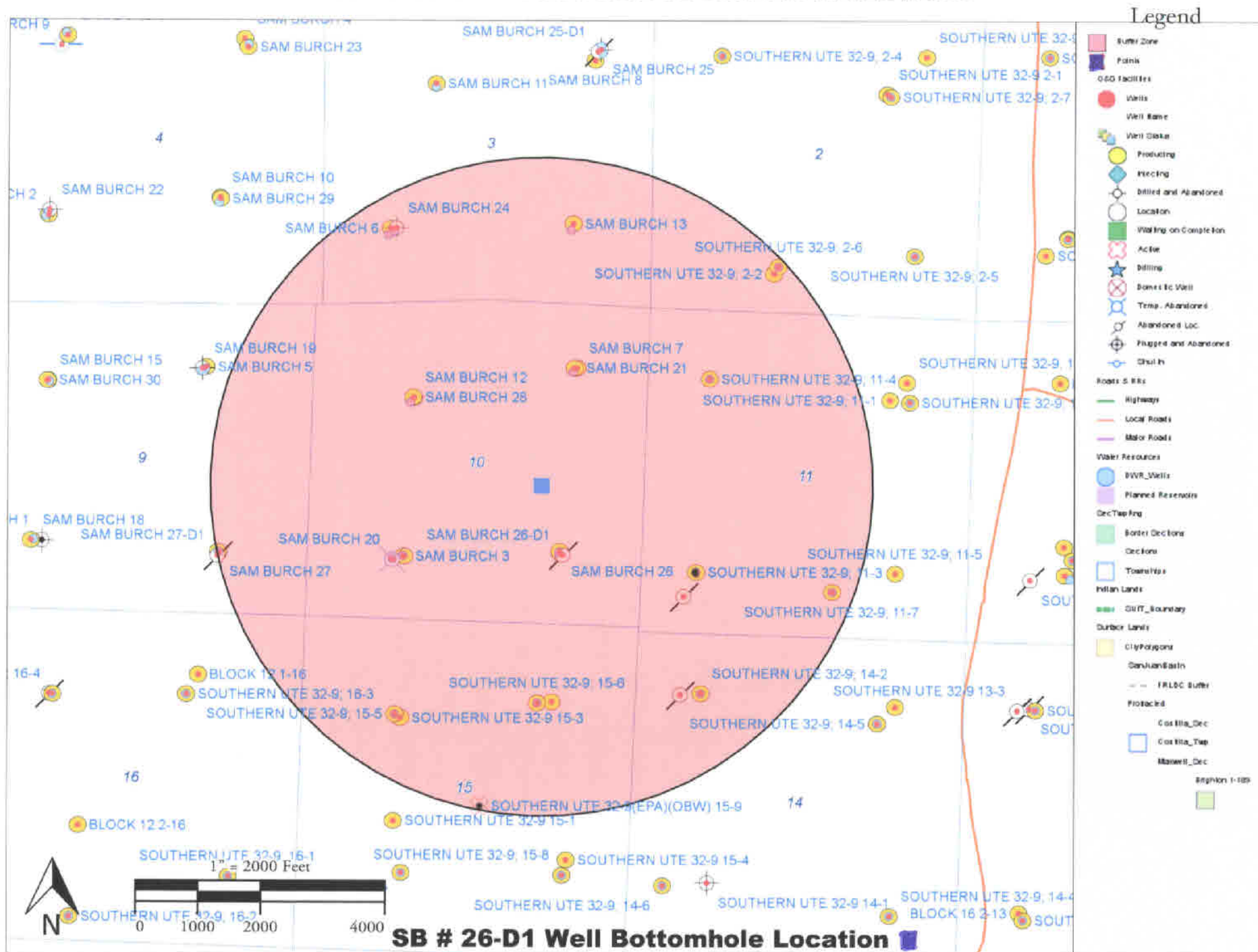
Four Star Oil & Gas Company
Sam Burch 26-D1
1045' FNL & 1154' FEL
Section 10, T32N, R9W, N.M.P.M.
La Plata County, Co.
Ground Level Elevation: 6688'

Access Road Map



Survey Plat A

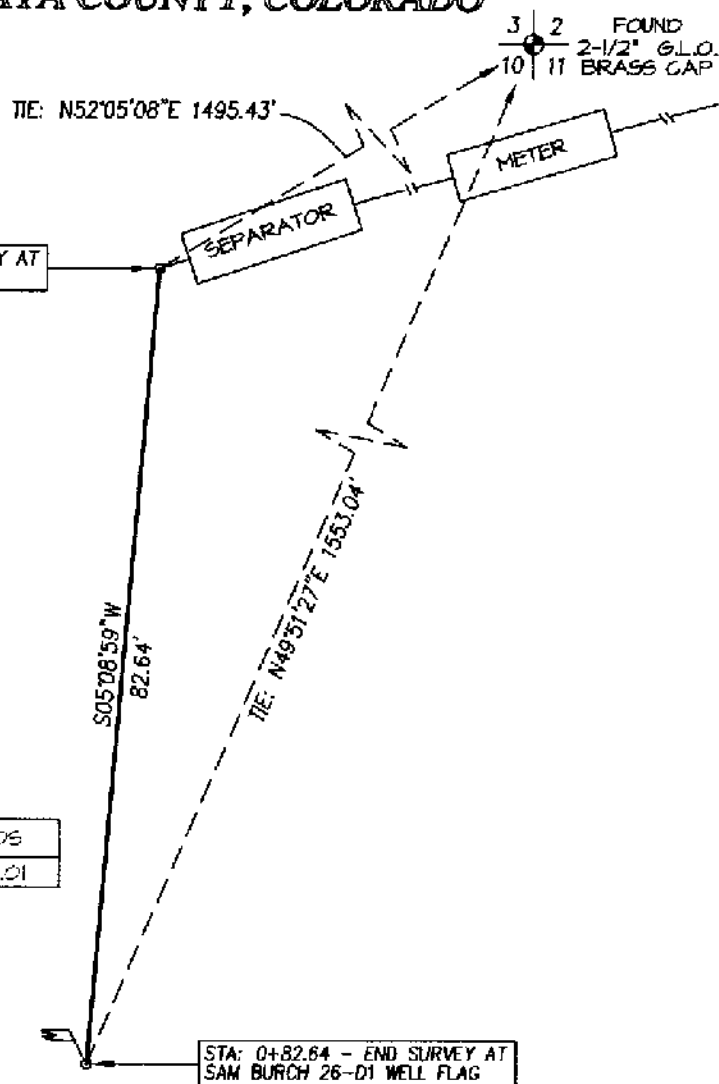
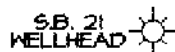
EXISTING GAS WELL LOCATIONS AND DOMESTIC WATER WELLS



**FOUR STAR OIL & GAS COMPANY: SAM BURCH 26-D1
PROPOSED PIPELINE LOCATED IN THE NE/4 NE/4 OF SECTION 10,
T32N, R9W, N.M.P.M., LA PLATA COUNTY, COLORADO**



OWNERSHIP	STATION	FEET/RODS
S.U.I.T.	0+00.0 TO 0+82.64	82.64 / 5.01



- LEGAL DESCRIPTION -

A pipeline easement being forty feet (40') wide located in the NE/4 NE/4 of Section 10, Township 32 North, Range 9 West, N.M.P.M., La Plata County, Colorado.
Said easement lying twenty feet (20') on each side of the following described centerline:

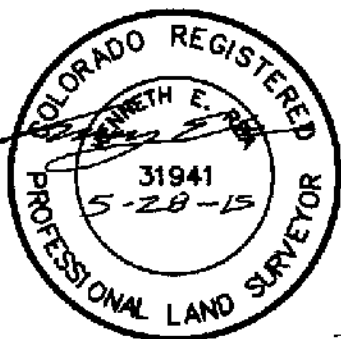
Beginning at existing Sam Burch 21 separator inlet, whence the Northeast corner of said Section 10, being a 2-1/2" G.L.O. Brass Cap bears: N52°05'08"E a distance of 1495.43 feet.

Thence S05°08'59"W a distance of 82.64 feet, ending at Four Star Oil & Gas Company: Sam Burch 26-D1 wellflag, whence said Northeast corner of Section 10 bears: N49°51'27"E a distance of 1553.04 feet.

Described easement being 82.64 feet in length & containing 0.076 acres, more or less.

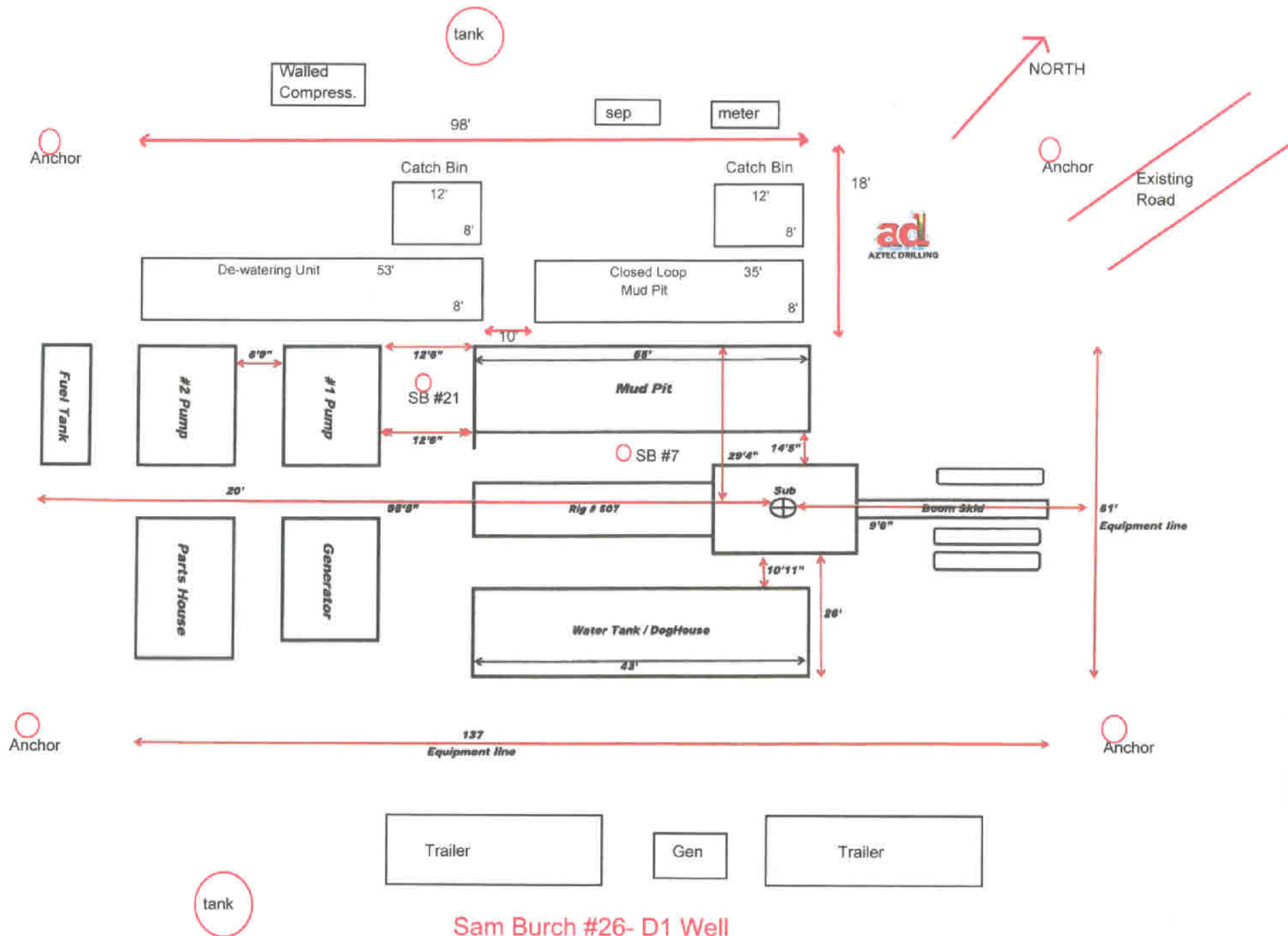
BASIS OF BEARING:

REAL-TIME KINEMATIC GPS SURVEY
SOLUTION OF CO SOUTH STATE
PLANE (NAD 83) COORDINATE GRID
-NO ROTATION OR SCALE FACTOR APPLIED-



I, KENNETH E. REA, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE SURVEY REPRESENTED BY THIS PLAT WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT ACCURATELY REPRESENTS THIS SURVEY TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DRAWN BY: K.R.	CHECKED BY: K.R.	FILE NO.: CH108PL	LAB NO.: CH109	PREPARED FOR:
				FOUR STAR OIL & GAS CO.
NORTHSTAR SURVEYING & MAPPING, INC.				768 County Road 308 DURANGO, CO. 81303 (970) 385-0851



Sam Burch #26- D1 Well
Rig 507 Foot Print

Well SB #6-D1

DRILLING SITE LAYOUT

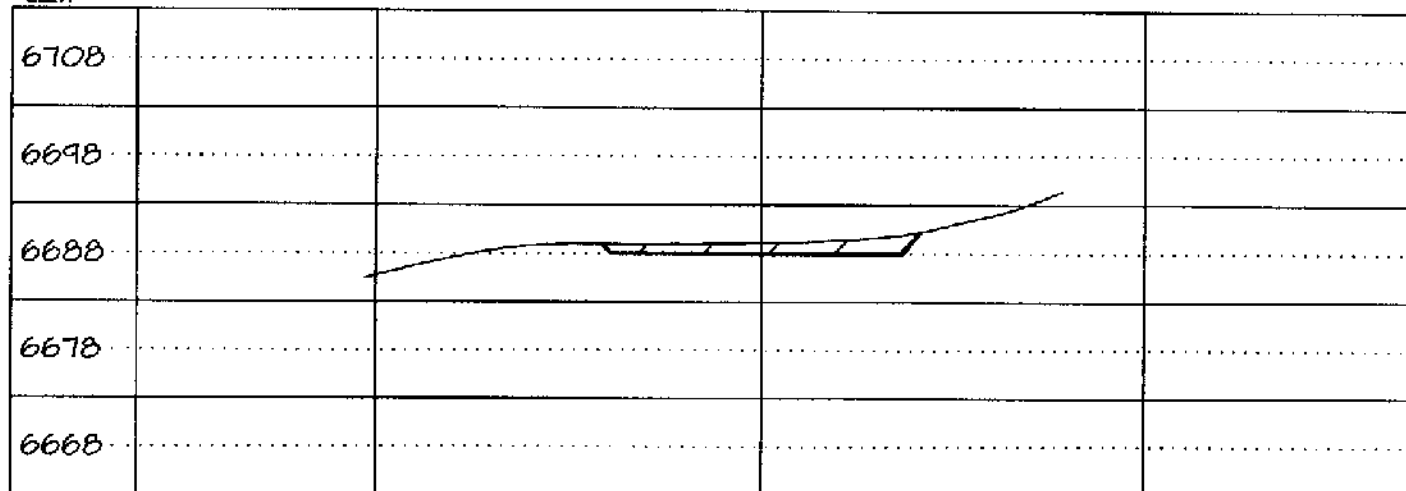
Drawing D-1

Updated March, 2012

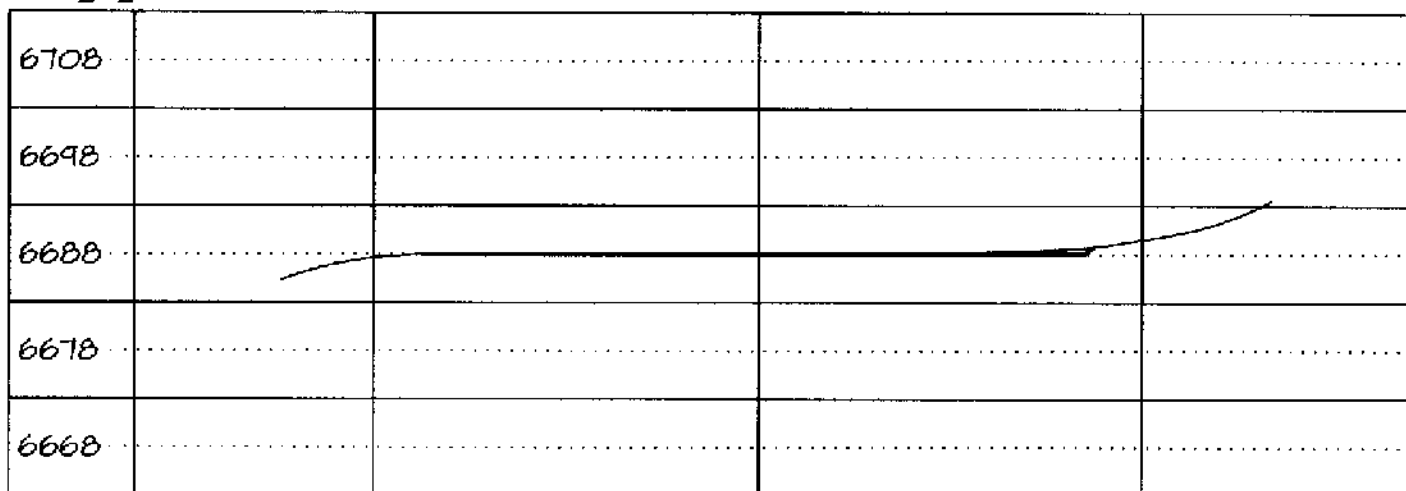
**FOUR STAR OIL & GAS CO. SAM BURCH 26-D1
1045' FNL, 1154' FEL, SECTION 10, T-32-N, R-9-W, N.M.P.M.,
LA PLATA COUNTY, CO. GROUND LEVEL ELEVATION: 6688'**

PAD CROSS SECTION DETAIL

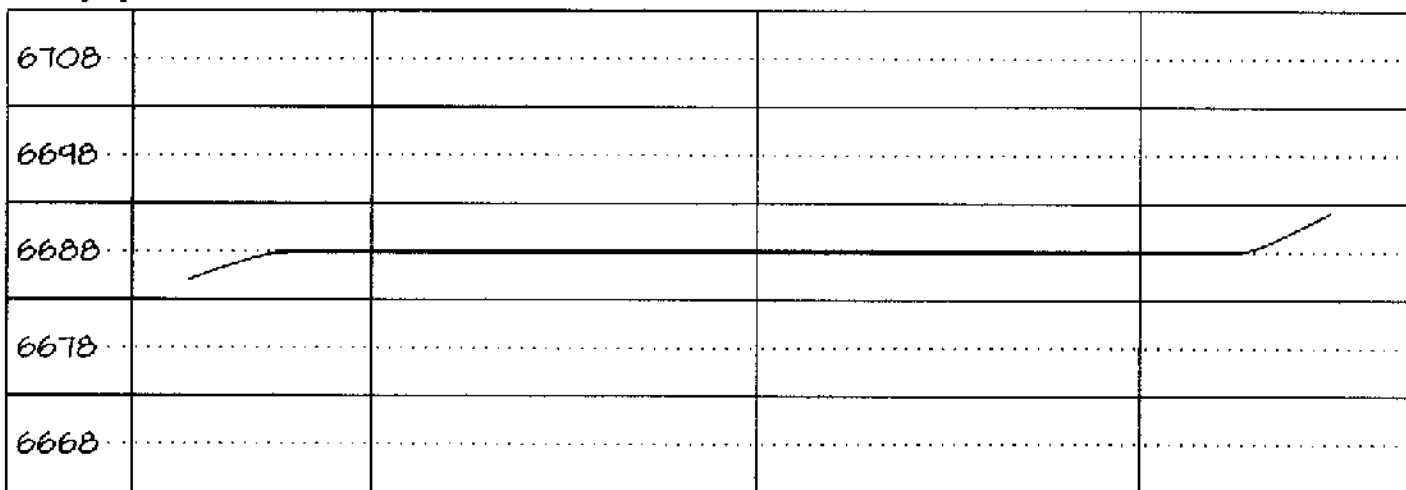
ELEV. A-A'



B-B'



C-C'



VERTICAL SCALE: 1" = 20' / HORIZONTAL SCALE: 1" = 50'

DATE DRAWN: 3/5/15

NORTHSTAR SURVEYING & MAPPING, INC.

FILE NO. CHV08CFB

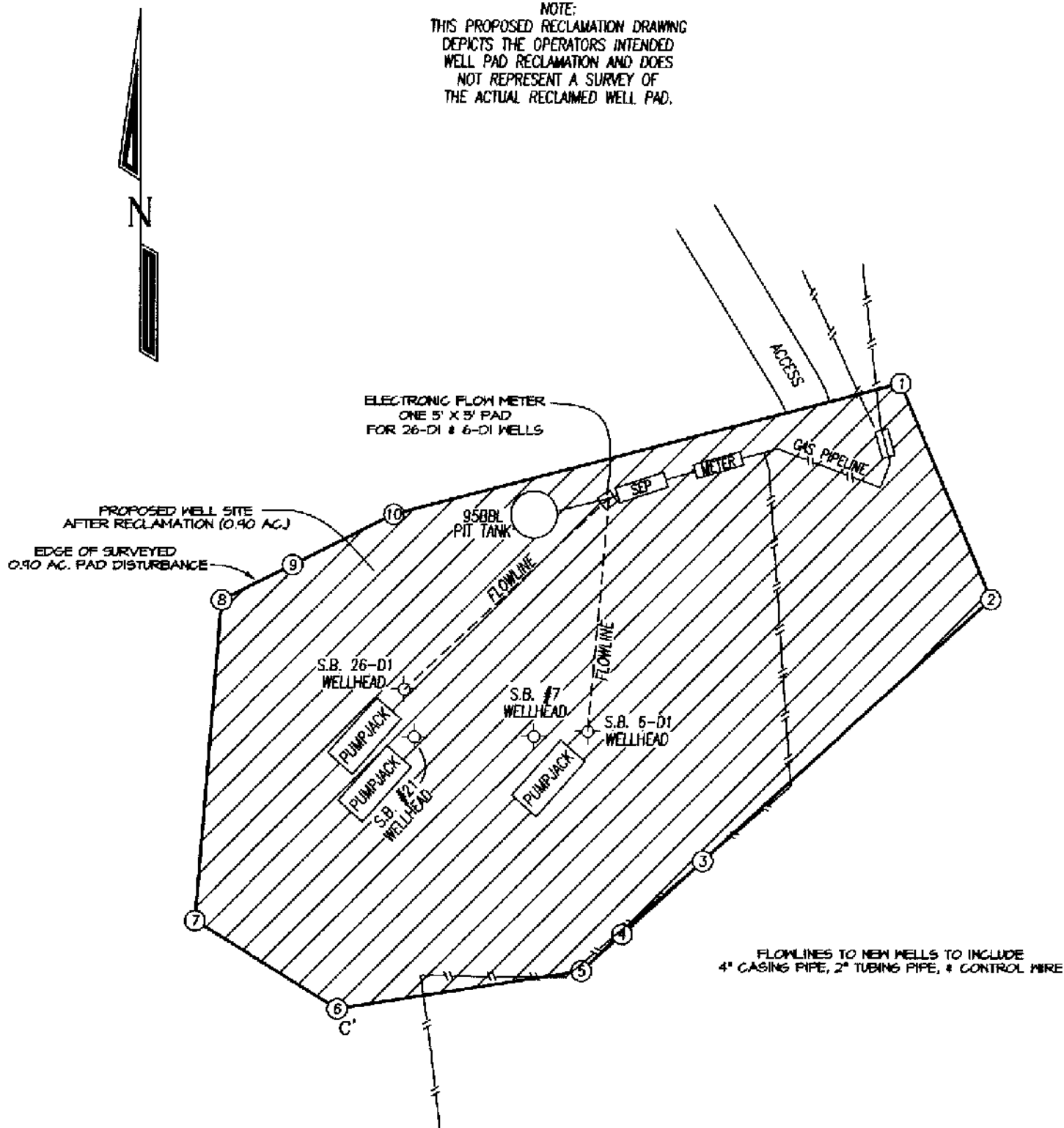
DRAWN BY: K.R.

CHECKED BY: K.R.

**FOUR STAR OIL & GAS CO. SAM BURCH 26-D1
1045' FNL, 1154' FEL, SECTION 10, T-32-N, R-9-W, N.M.P.M.,
LA PLATA COUNTY, CO. GROUND LEVEL ELEVATION: 6688'**

PROPOSED RECLAMATION DRAWING

NOTE:
THIS PROPOSED RECLAMATION DRAWING
DEPICTS THE OPERATORS INTENDED
WELL PAD RECLAMATION AND DOES
NOT REPRESENT A SURVEY OF
THE ACTUAL RECLAIMED WELL PAD.



DRAWING SCALE: 1" = 50'

DATE DRAWN: 3/5/15

NORTHSTAR SURVEYING & MAPPING, INC.

FILE NO. CHV08RP

DRAWN BY: K.R.

CHECKED BY: K.R.

Drawing E

Four Star Oil & Gas Company

SB #26-D1

SHL: 1045' FNL & 1154' FEL of Section 10, T32N, R9W

BHL: 2360' FSL & 1645' FEL of Section 10, T32N, R9W

La Plata County, Colorado

GL Elevation: 6688'

Drilling Plan

All Lease and/or unit operations will be conducted in such a manner that full compliance is made with: 43 CFR part 3160, applicable BLM On-Shore Orders, COGCC rules and regulations, as well as the Southern Ute Tribal Conditions of Approval. The operator is fully responsible for the actions of its subcontractors. A copy of the APD and Conditions of Approval will be available to the field representatives to ensure compliance.

ESTIMATED FORMATION TOPS (KB) and NOTABLE ZONES:

Formation Name	Depth (TVD)	Rock Type	Comments
San Jose	0'	Sandstone / Siltstone	Brackish / Fresh Water
Naicomento	750'	Shale / Minor Sandstone	
Ojo Alamo	1695'	Sandstone / Siltstone	Brackish / Brine Water
Kirtland	2060'	Shale / Minor Sandstone	
Fruitland	2960'	Coal, Shale, Sandstone	Nat Gas, Brine water
Pictured Cliffs	3390'	Sandstone	Possible Lost Circ, Gas, Water
Proposed Total Depth	3540'		

Possible Aquifers: Surface to +/- 500'. Fresh water zones will be adequately protected by setting and cementing the surface casing.

Oil Shale: None expected.

Oil: None expected.

Gas: Gas is expected in the Fruitland Coal. All zones containing commercial quantities of oil or gas will be cased and cemented.

PRESSURE CONTROL

Maximum expected pressure is 2000 (0.433 pressure gradient) psi. The drilling contract has not yet been awarded, thus the exact BOP and Choke Manifold model to be used is not yet known. A typical 11" 3000 psi model is pictured in Exhibits A & B.

Four Star Oil & Gas Company

SB #26-D1

SHL: 1045' FNL & 1154' FEL of Section 10, T32N, R9W

BHL: 2360' FSL & 1645' FEL of Section 10, T32N, R9W

La Plata County, Colorado

GL Elevation: 6688'

A remote accumulator will be used, and the pressures, the capacities, and the remote & manual controls will be identified at the time of the BLM supervised BOP test.

BOP equipment, accumulator, choke manifold, and all accessories will meet or exceed BLM requirements as listed in Onshore Order #2 for the 3M systems. The pressure control equipment considerations include but will not be limited to:

1. Annular preventer.
2. Double ram with blind rams and pipe rams.
3. Drilling spool, or blowout prevent with 2 side outlets. The choke side shall be a 3" minimum diameter and the kill side shall be at least 2" diameter.
4. 2" minimum kill line.
5. 3" diameter choke line.
6. 2 kill line valves, one of which shall be a 2" minimum check valve.
7. 2 chokes.
8. Pressure gauge on choke manifold.
9. Upper Kelly cock valve with handle available.
10. Safety valve and subs to fit all drill string connections in use.
11. All BOPE connections subjected to well pressure shall be flanged, welded, or clamped.
12. Fill-up line above uppermost preventer.
13. Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve, close all rams plus the annular preventer, and retain a minimum of 200 psi above per charge on the closing manifold without the use of the closing pumps.
14. Accumulator fluid volume is to be maintained at manufacturer's recommendations and shall be double the usable fluid volume of the accumulator system capacity.
15. Accumulator system shall have 2 independent power sources to close the preventers. Nitrogen bottles (3 minimum) may be 1 of the independent power sources and, if so, shall maintain a charge equal to the manufacturer's specifications.

BOPs will be pressed tested after initial installation, any time a seal is broken, and following any related repairs. Additionally, the BOPs will be operationally checked every 24 hours and a BOPE pit level drill shall be conducted weekly for each drilling crew. All tests and pressure tests will be recorded on an IADC log.

Ram type preventers, annular preventer, choke manifold, and related pressure control equipment will be pressure tested to 2000 psi high and 250 psi low.

The casing strings will be pressure tested per BLM Onshore Order #2 for 30 minutes as follows:

- a. Surface casing tested to 1000 psi prior to drilling out the shoe.
- b. Production casing tested to 3850 psi (80% of the internal yield) prior to commencement of completion operations.

Four Star Oil & Gas Company

SB #26-D1

SHL: 1045' FNL & 1154' FEL of Section 10, T32N, R9W

BHL: 2360' FSL & 1645' FEL of Section 10, T32N, R9W

La Plata County, Colorado

GL Elevation: 6688'

PROPOSED CASING PROGRAM

Casing Description	Hole Size	Casing OD	Weight lb/ft	Grade	Age	Connection	Top MD	Bottom MD
Surface	12 1/4"	9 5/8"	36	J-55	New	ST&C	0	500'
Production	8 3/4"	5 1/2"	15.5	J-55	New	LT&C	0	4129'

Casing Description	Casing OD	Footage	Collapse psi	Collapse Safety Factor	Burst psi	Burst Safety Factor	Tensile 1000 lb	Tensile Safety Factor
Surface	9 5/8"	500'	2020	8.2	3520	14.3	394	21.9
Production	5 1/2"	4129'	4040	2.3	4810	2.8	217	3.4

Collapse Safety Factor: Based on evacuated casing and 9.5 ppg annular hydrostatic at TVD.

Burst Safety Factor: Based on evacuated annulus and 9.5 ppg internal hydrostatic at TVD.

Tensile Safety Factor: Based on hanging air weight of casing in vertical hole at measured depth.

Surface and production casings are to be cemented to surface.

CASING CEMENT

The cement programs are designed to meet the BLM Onshore Order #2 and COGCC requirements. The WOC periods will be sufficient to allow the cement compressive strength at the casing shoe to have reached 500 psi prior to drill out of the shoe.

Surface Casing: will be cemented to surface.

Cement and properties: Mix and pump 237 sacks (326 cu ft) Type III cement with CaCl₂, cellophane, and a fluid loss additive. Slurry density is to be 14.6 ppg, 1.38 cu ft/sk yield. Volume will include 100% excess. Cement is to be displaced using a top plug.

Two centralizers will be run on the shoe joint, one centralizer each on the next two joints, and then one centralizer on every third joint thereafter.

If cement is not circulated to surface, a CBL or temperature survey will be run to determine the TOC and remedial cementing will be conducted to circulate cement to surface.

The surface casing will be pressure tested to 1000 psi prior to drilling out of the shoe.

Production Casing: will be cemented to surface.

Four Star Oil & Gas Company

SB #26-D1

SFL: 1045' FNL & 1154' FEL of Section 10, T32N, R9W

BHL: 2360' FSL & 1645' FEL of Section 10, T32N, R9W

La Plata County, Colorado

GL Elevation: 6688'

Lead cement and properties: Mix and pump 580 sacks (1175 cu ft) Premium Lite FM cement with CaCl₂, cellophane, asphaltite, gel, and sodium metasilicate. Slurry density is to be 12.3 ppg, 2.03 cu ft/sk yield. Volume will include 65% excess.

Tail cement and properties: Mix and pump 322 sacks (443 cu ft) Type III cement with CaCl₂, cellophane, and a fluid loss additive. Slurry density is to be 14.6 ppg, 1.38 cu ft/sk yield. Volume will include 35% excess. TOC calculated to be at 3000'.

Two centralizers will be run on the shoe joint, one centralizer each on the next three joints, and then one centralizer on every third joint into the surface casing.

A CBL log will be run in the production casing prior to commencement of completion operations to determine TOC.

Cement specifications may vary slightly due to cement and cement contractor availability.

MUD PROGRAM

Depth	Type	Mud Weight (ppg)	Funnel Viscosity (sec/q)	API Filtrate (cc/30 min)	pH
0' - 500'	Water/Spud Mud	8.4 - 9.0	27 - 35	NC	8.0 - 9.0
500' - 4129'	MILGEL/LSND	8.5 - 9.5	50 - 65	4.0 - 6.0	8.0 - 9.0

The viscosity, mud weight, and other physical and chemical characteristics of the drilling mud will be varied as required to keep the hole clean, circulate drill cuttings, prevent caving, prevent lost circulation, and maximize penetration rate.

Sufficient mud and materials will be kept on site to maintain mud properties and meet loss circulation or mud weight requirements at all times.

Mud design may change depending on well conditions, and mud properties will be determined by the Chevron representative and the mud engineer.

CORING, TESTING, & LOGGING

No cores, drill stem tests, or open hole logs will be run. If cement is not circulated to surface, a CBL or temperature survey will be run to determine the TOC.

No mud logging will be conducted.

Four Star Oil & Gas Company

SB #26-D1

SHL: 1045' FNL & 1154' FEL of Section 10, T32N, R9W

BHL: 2360' FSL & 1645' FEL of Section 10, T32N, R9W

La Plata County, Colorado

GL Elevation: 6688'

Inclination surveys will be run in 250' intervals and at the base of the surface hole prior to setting surface casing. A Gyro Multishot will be run at KOP below the surface casing and directional surveys will be taken every 100' to surface. Directional MWD surveys will be taken every 200' from the KOP to TD.

ANTICIPATED PRESSURES AND TEMPERATURES

Expected bottom hole pressure:	1533 psi
Anticipated abnormal pressure:	None
Anticipated abnormal temperatures:	None
Anticipated hazardous gas (H ₂ S):	None

If any foregoing conditions are unexpectedly encountered, suitable steps will be taken to mitigate according to accepted industry best practices.

OTHER INFORMATION

The anticipated spud date is October 20, 2015. The spud date will be dependent on the weather conditions, road conditions, and the regulatory agency-supplied Conditions of Approval.

The dirt work for road and well pad construction will commence upon approval of the APD and will be dependent on weather conditions. This well is to be drilled on an existing pad used by the Chevron SB #21 well head and surface equipment. Chevron will shut-in the producing well while drilling operations are conducted. Temporary barriers will be placed around the wellheads and equipment to protect them from contact or damage.

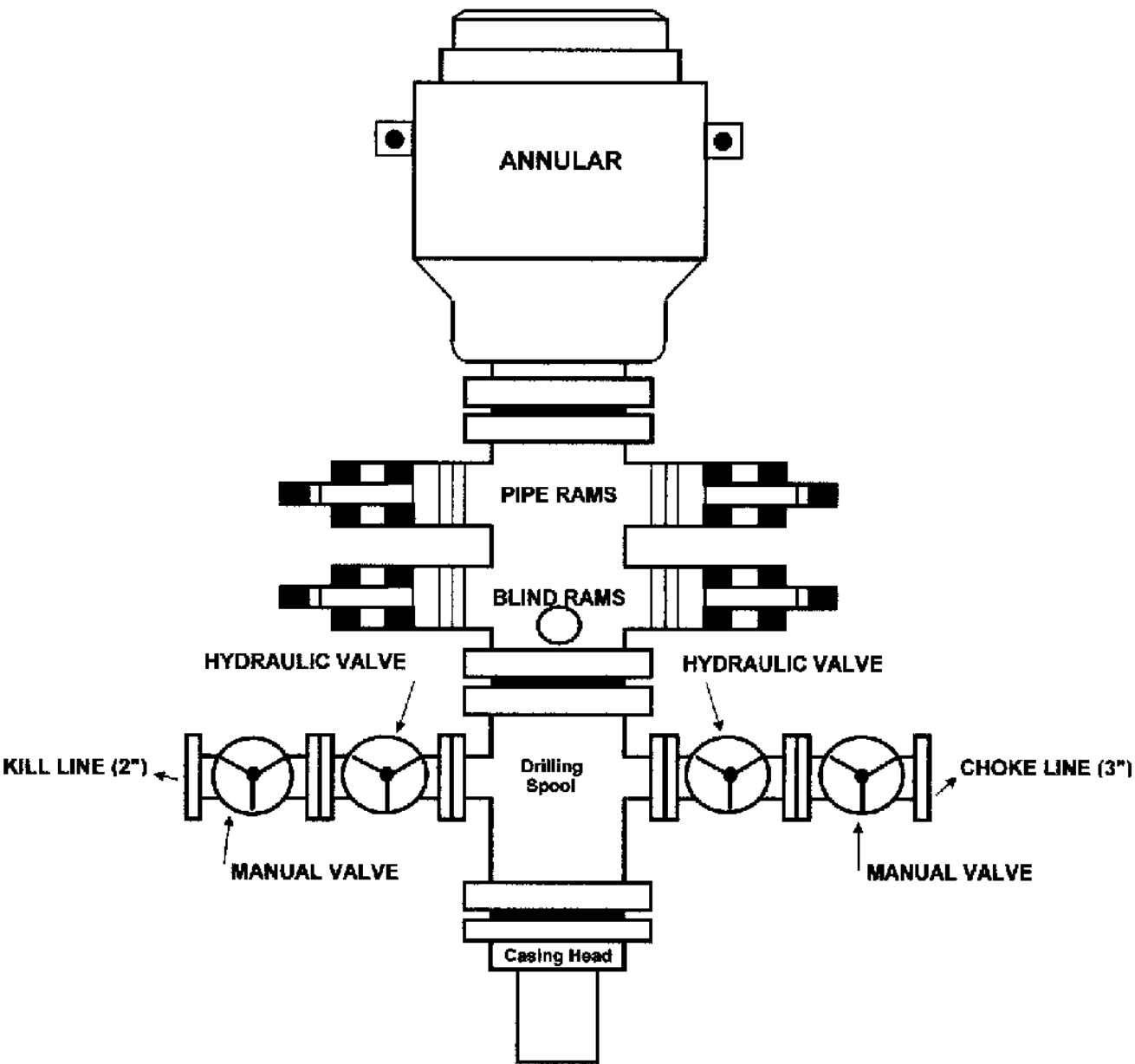
The drilling operation is expected to take 7 days. The drilling rig and associated equipment will be removed and preparations will be made for the completion of the well.

The well will be drilled utilizing closed loop and solids control handling equipment. The closed loop and solids control equipment will be set and utilized as per BLM and Southern Ute specifications and Conditions of Approval. The closed loop and solids control equipment set-up and operation are outlined in the 13 point surface use plan.

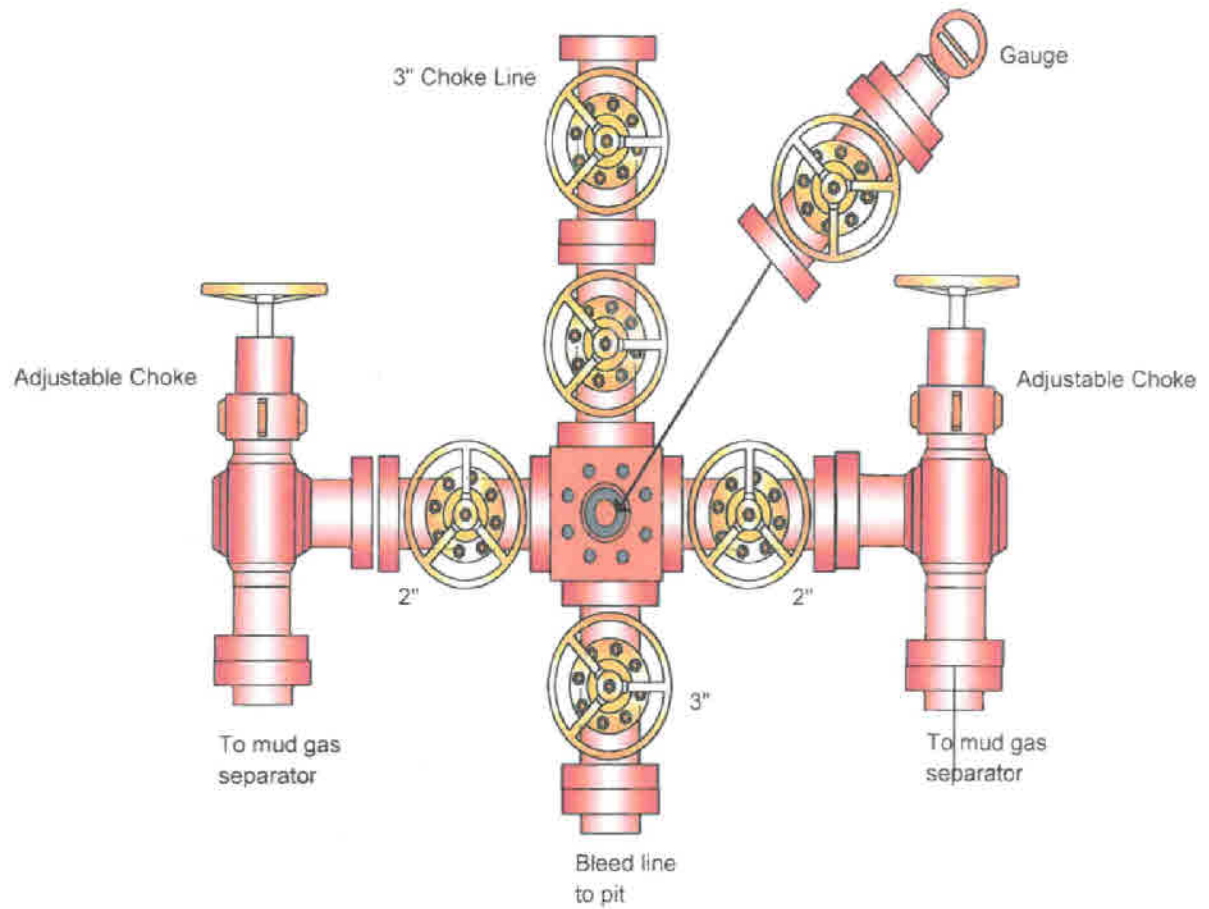
Completion operations will start about two weeks after the finish of drilling operations. A completion rig will be moved in for the completion phase. The completion phase is expected to take 9 days. The completion phase will include perforating, fracture stimulation, and well testing.

Some event/situations may arise that could potentially change the starting date or project duration that are out of Chevron's control. If such events/situations arise, the proper officials will be promptly notified.

Blowout Preventer Diagram - 3M System



Ad 507 Choke



SB #26-D1
 La Plata County, Colorado
 Four Star Oil & Gas Co.

Date: 28-May-15
 By: GT

Survey: Section 10, T32N, R9W
 Elev: 6688'
 SHL: Surface Location:
 1045' FNL & 1154' FEL of Section 10
 BHL: 2360' FSL & 1645' FEL of Section 10

API No.:
 Well Type: Development
 AFE No.:
 AFE DHC / Total:
 AFE Spud to RR:

Depth MD/TVD	Directional Program	Hole Size	Casing Program	RKB Elev: Rig Floor:	PP	MW	FG	Mud & Cmt Program	Directional	Logging Program
50'			16" Conductor			8.4		Water/Spud Mud		
			9 5/8"					14.6 ppg LEAD: to Surface 100% XS	Vertical Inclination Surveys	
500'		12-1/4"	36 ppf, I-SS, ST&C			9.0				
						8.5			GYRO Multishot at KOP at 500 to Surface	
								MILGEL/LSND to TD		
								12.3 ppg LEAD: to Surface 65% XS 14.8 ppg TAIL: to 3000' 35% XS		
			5-1/2"						Directional MWD Surveys as per Directional Plan	
4129' MD / 3540' TVD		8-3/4"	15.50 ppf, I-SS, LT&C			9.5				No OH Logs
Note: Schematic is NOT to scale.										

WELLBORE SCHEMATIC
Drilling Plan Exhibit C

Brammer Engineering

La Plata County, Colorado NAD27

SB 21 Pad

SB 26D1

OH

Plan: Plan #1

Standard Planning Report

06 March, 2015



Scientific Drilling

www.scientificdrilling.com





Scientific Drilling

Company: Brammer Engineering
Project: La Plata County, Colorado NAD27
Site: SB 21 Pad
Well: SB 26D1

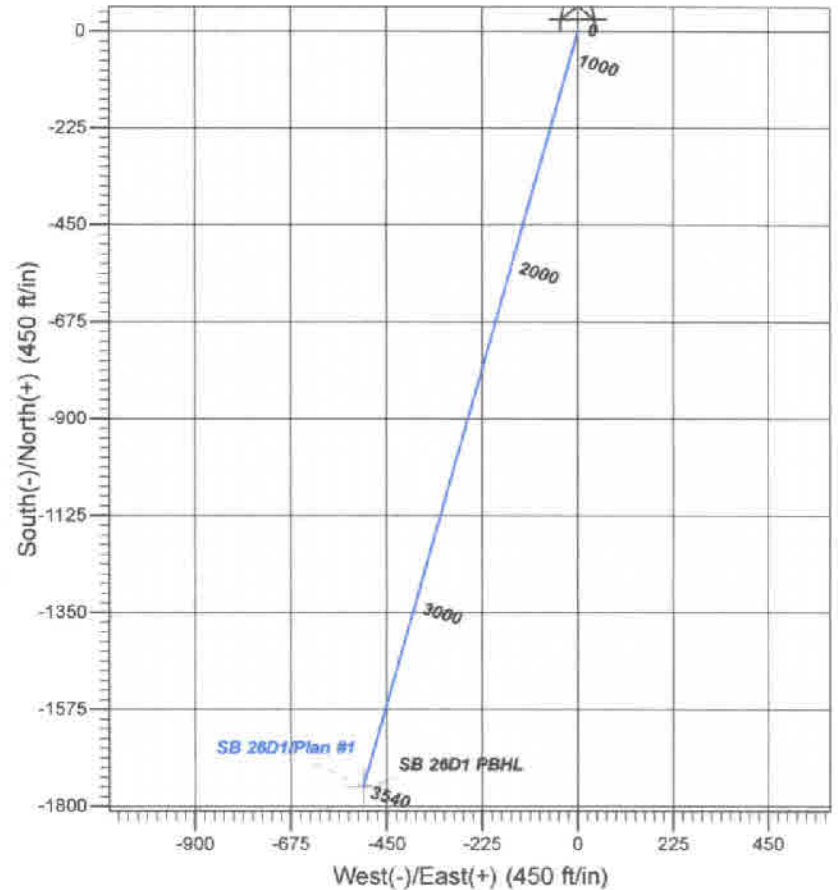
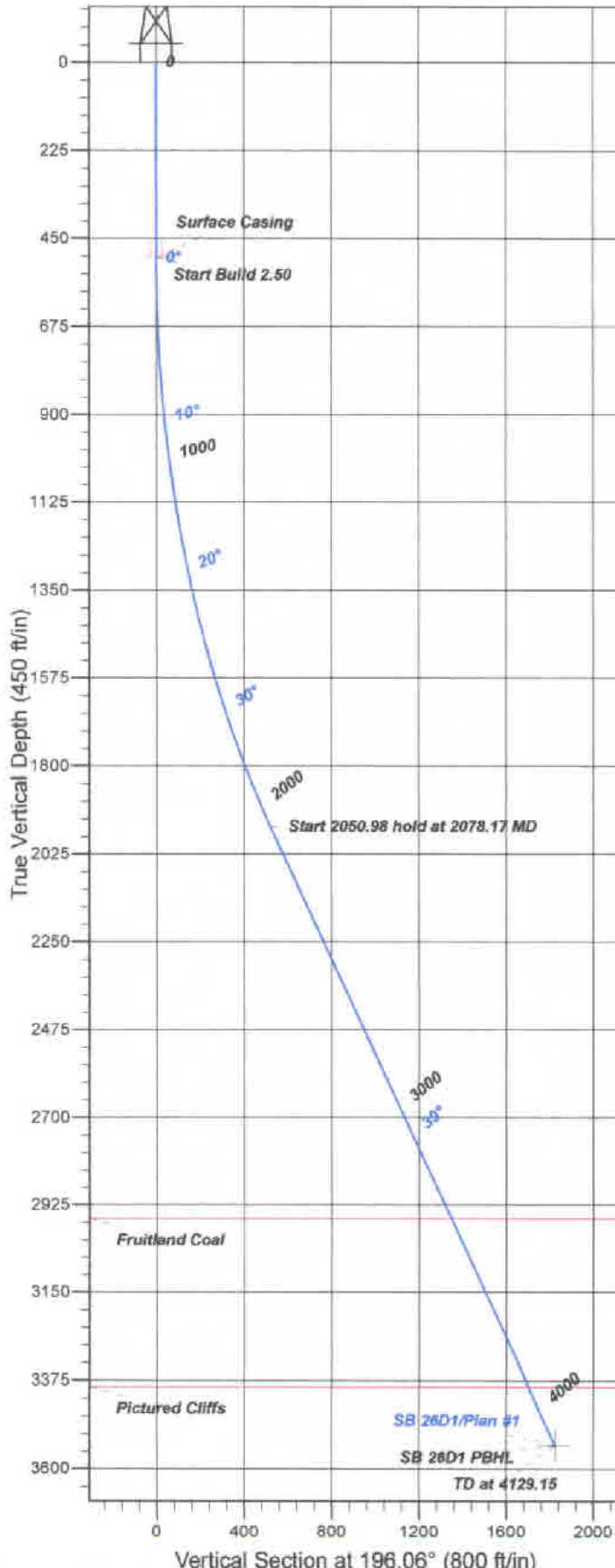
Well Details: SB 26D1

GL 6688' @ 6688.00ft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1142870.70	2326465.85	37.0361860	-107.8076000	

T M Azimuths to True North
Magnetic North: 9.59°

Magnetic Field
Strength: 50419.6snT
Dip Angle: 63.63°
Date: 3/6/2015
Model: BGGM2014



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2980.00	3377.98	Fruitland Coal
3390.00	3934.88	Pictured Cliffs

Plan: Plan #1

11:30, March 06 2015
Created By: Janie Collins

PROJECT DETAILS: La Plata County, Colorado NAD27

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Southern Zone

System Datum: Mean Sea Level

CASING DETAILS

TVD	MD	Name	Size
500.00	500.00	Surface Casing	9.625

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSeal	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
3	2078.17	39.45	196.06	1956.37	-501.85	-144.47	2.50	196.06	522.23	
4	4129.15	39.45	196.06	3540.00	-1754.31	-505.03	0.00	0.00	1825.55	SB 26D1 PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SB 26D1 PBHL	3540.00	-1754.31	-505.03	1141129.40	2325917.64	37.0313660	-107.8093300	Point

- plan hits target center

Database:	Grand Junction District	Local Co-ordinate Reference:	Well SB 26D1
Company:	Brammer Engineering	TVD Reference:	GL 6688' @ 6688.00ft
Project:	La Plata County, Colorado NAD27	MD Reference:	GL 6688' @ 6688.00ft
Site:	SB 21 Pad	North Reference:	True
Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	La Plata County, Colorado NAD27		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site	SB 21 Pad			
Site Position:		Northing:	1,142,870.70 usft	Latitude: 37.0361860
From:	Lat/Long	Easting:	2,326,465.85 usft	Longitude: -107.8076000
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: -1.42 °

Well	SB 26D1			
Well Position	+N/-S	-0.01 ft	Northing:	1,142,870.69 usft
	+E/-W	0.00 ft	Easting:	2,326,465.85 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft
			Ground Level:	6,688.00 ft

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	3/6/2015	9.59	63.63	50,420

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	196.06

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,078.17	39.45	196.06	1,956.37	-501.85	-144.47	2.50	2.50	0.00	196.06	
4,129.15	39.45	196.06	3,540.00	-1,754.31	-505.03	0.00	0.00	0.00	0.00	SB 26D1 PBHL

Database:	Grand Junction District	Local Co-ordinate Reference:	Well SB 26D1
Company:	Brammer Engineering	TVD Reference:	GL 6688' @ 6688.00ft
Project:	La Plata County, Colorado NAD27	MD Reference:	GL 6688' @ 6688.00ft
Site:	SB 21 Pad	North Reference:	True
Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Surface Casing									
600.00	2.50	196.06	599.97	-2.10	-0.60	2.18	2.50	2.50	0.00
700.00	5.00	196.06	699.75	-8.38	-2.41	8.72	2.50	2.50	0.00
800.00	7.50	196.06	799.14	-18.84	-5.42	19.61	2.50	2.50	0.00
900.00	10.00	196.06	897.97	-33.46	-9.63	34.82	2.50	2.50	0.00
1,000.00	12.50	196.06	996.04	-52.21	-15.03	54.33	2.50	2.50	0.00
1,100.00	15.00	196.06	1,093.17	-75.04	-21.60	78.09	2.50	2.50	0.00
1,200.00	17.50	196.06	1,189.17	-101.93	-29.34	106.07	2.50	2.50	0.00
1,300.00	20.00	196.06	1,283.85	-132.82	-38.24	138.21	2.50	2.50	0.00
1,400.00	22.50	196.06	1,377.05	-167.65	-48.26	174.46	2.50	2.50	0.00
1,500.00	25.00	196.06	1,468.57	-206.35	-59.40	214.73	2.50	2.50	0.00
1,600.00	27.50	196.06	1,558.25	-248.85	-71.64	258.95	2.50	2.50	0.00
1,700.00	30.00	196.06	1,645.92	-295.06	-84.94	307.05	2.50	2.50	0.00
1,800.00	32.50	196.06	1,731.40	-344.91	-99.29	358.92	2.50	2.50	0.00
1,900.00	35.00	196.06	1,814.54	-398.30	-114.66	414.47	2.50	2.50	0.00
2,000.00	37.50	196.06	1,895.18	-455.12	-131.02	473.60	2.50	2.50	0.00
2,078.17	39.45	196.06	1,956.37	-501.85	-144.47	522.23	2.50	2.50	0.00
2,100.00	39.45	196.06	1,973.23	-515.18	-148.31	536.11	0.00	0.00	0.00
2,200.00	39.45	196.06	2,050.44	-576.25	-165.89	599.85	0.00	0.00	0.00
2,300.00	39.45	196.06	2,127.65	-637.32	-183.47	663.20	0.00	0.00	0.00
2,400.00	39.45	196.06	2,204.87	-698.38	-201.05	728.75	0.00	0.00	0.00
2,500.00	39.45	196.06	2,282.08	-759.45	-218.63	790.29	0.00	0.00	0.00
2,600.00	39.45	196.06	2,359.29	-820.51	-236.21	853.84	0.00	0.00	0.00
2,700.00	39.45	196.06	2,436.51	-881.58	-253.79	917.38	0.00	0.00	0.00
2,800.00	39.45	196.06	2,513.72	-942.65	-271.37	980.93	0.00	0.00	0.00
2,900.00	39.45	196.06	2,590.93	-1,003.71	-288.95	1,044.48	0.00	0.00	0.00
3,000.00	39.45	196.06	2,668.15	-1,064.78	-306.53	1,108.02	0.00	0.00	0.00
3,100.00	39.45	196.06	2,745.36	-1,125.84	-324.11	1,171.57	0.00	0.00	0.00
3,200.00	39.45	196.06	2,822.57	-1,186.91	-341.69	1,235.11	0.00	0.00	0.00
3,300.00	39.45	196.06	2,899.79	-1,247.98	-359.27	1,298.66	0.00	0.00	0.00
3,377.98	39.45	196.06	2,960.00	-1,295.60	-372.98	1,348.22	0.00	0.00	0.00
Fruitland Coal									
3,400.00	39.45	196.06	2,977.00	-1,309.04	-376.85	1,362.21	0.00	0.00	0.00
3,500.00	39.45	196.06	3,054.21	-1,370.11	-394.43	1,425.75	0.00	0.00	0.00
3,600.00	39.45	196.06	3,131.43	-1,431.18	-412.01	1,489.30	0.00	0.00	0.00
3,700.00	39.45	196.06	3,208.64	-1,492.24	-429.59	1,552.85	0.00	0.00	0.00
3,800.00	39.45	196.06	3,285.85	-1,553.31	-447.17	1,616.39	0.00	0.00	0.00
3,900.00	39.45	196.06	3,363.07	-1,614.37	-464.75	1,679.94	0.00	0.00	0.00
3,934.88	39.45	196.06	3,390.00	-1,635.68	-470.88	1,702.11	0.00	0.00	0.00
Pictured Cliffs									
4,000.00	39.45	196.06	3,440.28	-1,675.44	-482.33	1,743.48	0.00	0.00	0.00
4,100.00	39.45	196.06	3,517.49	-1,736.51	-499.91	1,807.03	0.00	0.00	0.00
4,129.15	39.45	196.06	3,540.00	-1,754.31	-505.03	1,825.55	0.00	0.00	0.00
SB 26D1 PBHL									

Database:	Grand Junction District	Local Co-ordinate Reference:	Well SB 26D1
Company:	Brammer Engineering	TVD Reference:	GL 6688' @ 6688.00ft
Project:	La Plata County, Colorado NAD27	MD Reference:	GL 6688' @ 6688.00ft
Site:	SB 21 Pad	North Reference:	True
Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SB 26D1 PBHL - plan hits target center - Point	0.00	0.00	3,540.00	-1,754.31	-505.03	1,141,129.40	2,325,917.64	37.0313680	-107.8093300

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
500.00	500.00	Surface Casing	9.625	12.250

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,377.98	3,761.00	Fruitland Coal		0.00	
3,934.88	4,191.00	Pictured Cliffs		0.00	

Brammer Engineering

La Plata County, Colorado NAD27

SB 21 Pad

SB 26D1

OH

Plan #1

Anticollision Report

06 March, 2015



www.scientificdrilling.com

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 50.00ft	Error Model:	ISCWSA
Depth Range:	0.00 to 300,000.00ft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date 3/6/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	4,129.15	Plan #1 (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
Offset Well - Wellbore - Design	Depth (ft)	Depth (ft)	Between Centres (ft)	Between Ellipses (ft)		
SB 2 Pad						
SB 14D1 - OH - Plan #1	569.79	500.00	8,812.61	8,810.45	4,078.313	CC
SB 14D1 - OH - Plan #1	600.00	500.00	8,812.66	8,810.43	3,966.649	ES
SB 14D1 - OH - Plan #1	4,100.00	1,300.00	9,300.26	9,262.23	244.574	SF
SB 2 - OH - OH	1,538.49	1,451.33	8,644.62	8,602.26	204.074	CC
SB 2 - OH - OH	2,350.00	2,114.29	8,657.04	8,586.17	122.146	ES
SB 2 - OH - OH	4,100.00	3,058.00	8,796.60	8,676.72	73.378	SF
SB 21 Pad						
SB 6D1 - OH - Plan #1	500.00	500.00	66.69	64.66	32.966	CC, ES
SB 6D1 - OH - Plan #1	700.00	691.26	77.97	75.14	27.559	SF
SU 11 Pad						
SU 11 - OH - OH	500.00	1,017.02	7,221.90	7,191.45	237.138	CC
SU 11 - OH - OH	600.00	1,116.99	7,224.00	7,190.33	214.569	ES
SU 11 - OH - OH	3,450.00	3,521.00	8,569.77	8,471.96	87.613	SF
SU 11D1 - OH - Plan #2	0.00	500.00	7,185.03	7,184.02	7,103.713	CC, ES
SU 11D1 - OH - Plan #2	4,100.00	1,500.00	9,408.38	9,383.29	407.454	SF
SU 19D1 - OH - Plan #1	885.81	2,769.15	7,067.30	7,042.38	283.579	CC
SU 19D1 - OH - Plan #1	900.00	2,780.54	7,067.35	7,042.22	281.292	ES
SU 19D1 - OH - Plan #1	4,100.00	4,769.48	8,378.30	8,306.75	117.100	SF
SU 26 Pad						
SU 13D1 - OH - Plan #1						Out of range
SU 26 - OH - OH						Out of range
SU 9D1 - OH - Plan #1						Out of range
SU 26-4 Pad						
SU 26-4 - OH - OH						Out of range
SU 26-4D1 - OH - Plan #1						Out of range
SU 26-5D1 - OH - Plan #1						Out of range

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

SB 2 Pad - SB 14D1 - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-SDI MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toothface (°)	Distance		Minimum Separation (ft)	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N-S (ft)	+E-W (ft)						
0.00	0.00	0.00	64.00	0.00	0.00	-75.18	2,254.12	-8,519.47	8,812.86					
50.00	50.00	0.00	64.00	0.08	0.00	-75.18	2,254.12	-8,519.47	8,812.84					
73.15	73.15	9.15	73.15	0.08	0.01	-75.18	2,254.12	-8,519.47	8,812.83	8,812.54	0.09	N/A		
100.00	100.00	36.00	100.00	0.11	0.04	-75.18	2,254.12	-8,519.47	8,812.83	8,812.48	0.15	N/A		
150.00	150.00	86.00	150.00	0.22	0.10	-75.18	2,254.12	-8,519.47	8,812.83	8,812.31	0.32	N/A		
200.00	200.00	136.00	200.00	0.24	0.19	-75.18	2,254.12	-8,519.47	8,812.83	8,812.10	0.53	N/A		
250.00	250.00	186.00	250.00	0.45	0.31	-75.18	2,254.12	-8,519.47	8,812.83	8,811.87	0.78	N/A		
300.00	300.00	236.00	300.00	0.56	0.42	-75.18	2,254.12	-8,519.47	8,812.83	8,811.65	0.98	8,892.663		
350.00	350.00	286.00	350.00	0.57	0.53	-75.18	2,254.12	-8,519.47	8,812.83	8,811.42	1.20	7,314.927		
400.00	400.00	336.00	400.00	0.79	0.64	-75.18	2,254.12	-8,519.47	8,812.83	8,811.20	1.43	6,164.781		
450.00	450.00	386.00	450.00	0.90	0.75	-75.18	2,254.12	-8,519.47	8,812.83	8,810.97	1.65	5,327.175		
500.00	500.00	436.00	500.00	1.01	0.87	-75.18	2,254.12	-8,519.47	8,812.83	8,810.75	1.88	4,689.953		
550.00	550.00	486.00	550.00	1.11	0.98	88.78	2,254.12	-8,519.47	8,812.82	8,810.53	2.09	4,216.050		
569.79	569.78	500.00	584.00	1.15	1.01	88.77	2,254.12	-8,519.47	8,812.81	8,810.45	2.16	4,078.313 CC		
600.00	589.97	500.00	564.00	1.21	1.01	88.77	2,254.12	-8,519.47	8,812.86	8,810.43	2.22	3,988.649 ES		
650.00	649.89	500.00	564.00	1.30	1.01	88.78	2,254.12	-8,519.47	8,812.94	8,810.63	2.32	3,806.783		
700.00	699.75	549.89	613.88	1.40	1.12	88.78	2,254.65	-8,519.58	8,813.11	8,810.58	2.52	3,485.012		
750.00	749.50	568.12	632.11	1.51	1.16	88.78	2,255.11	-8,519.68	8,813.58	8,810.91	2.87	3,296.404		
800.00	799.14	800.00	663.97	1.82	1.24	88.79	2,256.25	-8,519.91	8,814.24	8,811.38	2.86	3,085.272		
850.00	848.64	800.00	663.97	1.76	1.24	88.78	2,256.25	-8,519.91	8,815.01	8,812.01	2.99	2,946.360		
900.00	897.97	800.00	663.97	1.89	1.24	88.75	2,256.25	-8,519.91	8,816.03	8,812.90	3.13	2,818.828		
950.00	947.11	639.94	703.86	2.08	1.33	88.78	2,256.30	-8,520.34	8,817.07	8,813.89	3.38	2,605.856		
1,000.00	996.04	657.54	721.41	2.22	1.37	88.78	2,259.42	-8,520.57	8,818.35	8,814.76	3.59	2,456.719		
1,050.00	1,044.74	700.00	763.75	2.42	1.46	88.83	2,262.66	-8,521.24	8,819.89	8,816.00	3.89	2,265.884		
1,100.00	1,093.17	700.00	763.75	2.82	1.46	88.79	2,262.66	-8,521.24	8,821.40	8,817.32	4.09	2,156.565		
1,150.00	1,141.32	700.00	763.75	2.86	1.46	88.74	2,262.66	-8,521.24	8,823.18	8,818.86	4.32	2,040.335		
1,200.00	1,189.17	700.00	763.75	3.10	1.46	88.69	2,262.66	-8,521.24	8,825.22	8,820.86	4.56	1,934.187		
1,250.00	1,236.69	742.45	806.00	3.38	1.57	88.75	2,266.66	-8,522.07	8,827.24	8,822.29	4.94	1,785.932		
1,300.00	1,283.85	758.72	822.17	3.65	1.61	88.73	2,268.40	-8,522.43	8,829.53	8,824.27	5.26	1,678.803		
1,350.00	1,330.65	800.00	863.14	3.97	1.71	88.79	2,273.32	-8,523.45	8,832.10	8,826.42	5.68	1,558.186		
1,400.00	1,377.05	800.00	863.14	4.29	1.71	88.73	2,273.32	-8,523.45	8,834.68	8,828.67	5.99	1,474.408		
1,450.00	1,423.03	800.00	863.14	4.64	1.71	88.86	2,273.32	-8,523.45	8,837.48	8,831.13	6.35	1,392.383		
1,500.00	1,468.57	800.00	863.14	5.00	1.71	88.58	2,273.32	-8,523.45	8,840.55	8,833.85	6.70	1,319.016		
1,550.00	1,513.85	835.72	898.82	5.39	1.81	88.83	2,278.15	-8,524.45	8,843.67	8,836.48	7.19	1,229.533		
1,600.00	1,558.25	850.17	912.81	5.78	1.85	88.56	2,280.26	-8,524.69	8,847.06	8,839.43	7.63	1,160.203		
1,650.00	1,602.35	884.29	926.76	6.22	1.89	88.56	2,282.41	-8,525.33	8,850.83	8,842.53	8.09	1,093.448		
1,700.00	1,645.92	900.00	961.97	6.65	1.99	88.81	2,288.21	-8,526.53	8,854.46	8,845.84	8.62	1,027.002		
1,750.00	1,688.94	900.00	961.97	7.11	1.99	88.51	2,288.21	-8,526.53	8,858.35	8,849.26	9.09	974.680		
1,800.00	1,731.40	900.00	961.97	7.58	1.99	88.41	2,288.21	-8,526.53	8,862.49	8,852.94	9.56	927.483		
1,850.00	1,773.27	900.00	961.97	8.08	1.99	88.30	2,288.21	-8,526.53	8,866.88	8,856.82	10.06	881.636		
1,900.00	1,814.54	900.00	961.97	8.59	1.99	88.16	2,288.21	-8,526.53	8,871.52	8,860.96	10.56	840.164		
1,950.00	1,855.18	941.47	1,002.74	9.12	2.13	88.25	2,295.83	-8,528.07	8,876.11	8,864.89	11.23	790.725		
2,000.00	1,895.18	953.02	1,014.08	9.66	2.17	88.18	2,297.82	-8,528.52	8,881.05	8,869.25	11.80	752.796		
2,050.00	1,934.51	964.19	1,025.02	10.22	2.21	88.10	2,299.99	-8,528.97	8,886.19	8,873.80	12.40	718.771		
2,100.00	1,973.23	1,000.00	1,080.04	10.79	2.33	88.21	2,307.31	-8,530.49	8,891.64	8,878.56	13.08	679.757		
2,150.00	2,011.83	1,000.00	1,080.04	11.38	2.33	88.21	2,307.31	-8,530.49	8,897.15	8,883.49	13.66	651.264		
2,200.00	2,050.44	1,000.00	1,080.04	11.96	2.33	88.21	2,307.31	-8,530.49	8,902.94	8,888.70	14.24	625.109		
2,250.00	2,089.05	1,000.00	1,080.04	12.54	2.33	88.21	2,307.31	-8,530.49	8,909.01	8,894.18	14.83	600.908		
2,300.00	2,127.65	1,000.00	1,080.04	13.12	2.33	88.21	2,307.31	-8,530.49	8,915.35	8,899.94	15.41	578.551		
2,350.00	2,166.28	1,000.00	1,080.04	13.71	2.33	88.21	2,307.31	-8,530.49	8,921.96	8,905.97	16.00	557.769		
2,400.00	2,204.87	1,037.29	1,096.38	14.30	2.47	88.40	2,315.51	-8,532.19	8,928.51	8,911.89	16.72	534.052		
2,450.00	2,243.47	1,047.30	1,108.12	14.89	2.51	88.45	2,317.81	-8,532.66	8,935.63	8,918.29	17.34	515.228		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 28D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 28D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SB 2 Pad - SB 14D1 - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: G-SDI MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore +N-S (ft)	Centre +E-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,500.00	2,282.08	1,057.21	1,115.74	15.47	2.55	88.50	2,320.12	-8,533.14	8,942.89	8,924.92	17.97	497.735		
2,550.00	2,320.69	1,100.00	1,157.17	16.06	2.72	88.71	2,330.59	-8,535.31	8,950.57	8,931.86	18.71	478.326		
2,600.00	2,359.29	1,100.00	1,157.17	16.65	2.72	88.71	2,330.59	-8,535.31	8,958.22	8,938.91	19.30	464.119		
2,650.00	2,397.90	1,100.00	1,157.17	17.24	2.72	88.71	2,330.59	-8,535.31	8,966.13	8,946.24	19.89	450.742		
2,700.00	2,436.51	1,100.00	1,157.17	17.83	2.72	88.71	2,330.59	-8,535.31	8,974.32	8,953.83	20.48	438.150		
2,750.00	2,475.11	1,100.00	1,157.17	18.42	2.72	88.71	2,330.59	-8,535.31	8,982.77	8,961.70	21.07	426.258		
2,800.00	2,513.72	1,100.00	1,157.17	19.02	2.72	88.71	2,330.59	-8,535.31	8,991.50	8,969.83	21.66	415.028		
2,850.00	2,552.33	1,100.00	1,157.17	19.61	2.72	88.71	2,330.59	-8,535.31	9,000.49	8,978.24	22.26	404.393		
2,900.00	2,590.93	1,100.00	1,157.17	20.20	2.72	88.71	2,330.59	-8,535.31	9,009.76	8,986.91	22.85	394.321		
2,950.00	2,629.54	1,142.00	1,197.64	20.79	2.91	88.93	2,341.60	-8,537.99	9,018.97	8,995.35	23.82	381.838		
3,000.00	2,668.15	1,150.95	1,206.24	21.39	2.96	88.98	2,344.04	-8,538.10	9,028.62	9,004.37	24.25	372.307		
3,050.00	2,706.75	1,159.82	1,214.74	21.98	3.00	89.02	2,346.48	-8,538.61	9,038.50	9,013.82	24.88	363.267		
3,100.00	2,745.36	1,200.00	1,253.17	22.57	3.16	89.23	2,357.99	-8,540.99	9,048.80	9,023.16	25.64	352.864		
3,150.00	2,783.97	1,200.00	1,253.17	23.17	3.18	89.23	2,357.99	-8,540.99	9,059.08	9,032.84	26.24	345.272		
3,200.00	2,822.57	1,200.00	1,253.17	23.76	3.18	89.23	2,357.99	-8,540.99	9,069.61	9,042.78	26.83	338.025		
3,250.00	2,861.18	1,200.00	1,253.17	24.35	3.18	89.23	2,357.99	-8,540.99	9,080.41	9,052.99	27.43	331.097		
3,300.00	2,899.79	1,200.00	1,253.17	24.95	3.18	89.23	2,357.99	-8,540.99	9,091.47	9,063.45	28.02	324.473		
3,350.00	2,938.39	1,200.00	1,253.17	25.54	3.18	89.23	2,357.99	-8,540.99	9,102.80	9,074.18	28.61	318.129		
3,400.00	2,977.00	1,200.00	1,253.17	26.14	3.18	89.23	2,357.99	-8,540.99	9,114.38	9,085.17	29.21	312.052		
3,450.00	3,015.61	1,200.00	1,253.17	26.73	3.18	89.23	2,357.99	-8,540.99	9,126.22	9,096.42	29.80	306.223		
3,500.00	3,054.21	1,235.71	1,287.14	27.33	3.38	89.42	2,368.76	-8,543.22	9,138.08	9,107.51	30.57	298.914		
3,550.00	3,092.82	1,243.74	1,294.75	27.92	3.42	89.47	2,371.25	-8,543.74	9,150.32	9,119.11	31.20	293.234		
3,600.00	3,131.43	1,251.68	1,302.28	28.52	3.46	89.51	2,373.75	-8,544.25	9,162.79	9,130.95	31.84	287.792		
3,650.00	3,170.03	1,259.55	1,309.72	29.11	3.50	89.55	2,376.24	-8,544.77	9,175.49	9,143.02	32.47	282.571		
3,700.00	3,208.64	1,300.00	1,347.85	29.71	3.72	89.77	2,389.46	-8,547.51	9,188.62	9,155.36	33.25	278.251		
3,750.00	3,247.25	1,300.00	1,347.85	30.30	3.72	89.77	2,389.46	-8,547.51	9,201.70	9,167.84	33.86	271.780		
3,800.00	3,285.85	1,300.00	1,347.85	30.90	3.72	89.77	2,389.46	-8,547.51	9,215.03	9,180.58	34.45	267.471		
3,850.00	3,324.46	1,300.00	1,347.85	31.49	3.72	89.77	2,389.46	-8,547.51	9,228.61	9,193.57	35.05	263.314		
3,900.00	3,363.07	1,300.00	1,347.85	32.09	3.72	89.77	2,389.46	-8,547.51	9,242.45	9,206.80	35.64	259.303		
3,950.00	3,401.67	1,300.00	1,347.85	32.68	3.72	89.77	2,389.46	-8,547.51	9,256.53	9,220.29	36.24	255.429		
4,000.00	3,440.28	1,300.00	1,347.85	33.28	3.72	89.77	2,389.46	-8,547.51	9,270.86	9,234.02	36.83	251.688		
4,050.00	3,478.88	1,300.00	1,347.85	33.87	3.72	89.77	2,389.46	-8,547.51	9,285.44	9,248.01	37.43	248.071		
4,100.00	3,517.49	1,300.00	1,347.85	34.47	3.72	89.77	2,389.46	-8,547.51	9,300.26	9,262.23	38.03	244.574 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SB 2 Pad - SB 2 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 450-INCLINOMETER													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	52.00	0.00	0.00	-75.47	2,169.23	-8,371.22	8,647.87	8,647.87	0.00	N/A		
50.00	50.00	0.00	52.00	0.08	0.00	-75.47	2,169.23	-8,371.22	8,647.71					
67.36	67.36	15.36	67.36	0.08	0.23	-75.47	2,169.23	-8,371.22	8,647.71	8,647.41	0.30	N/A		
100.00	100.00	48.00	100.00	0.11	0.71	-75.47	2,169.23	-8,371.22	8,647.71	8,646.80	0.82	N/A		
150.00	150.00	98.00	150.00	0.22	1.45	-75.47	2,169.23	-8,371.22	8,647.71	8,646.04	1.67	5,168.513		
200.00	200.00	148.00	200.00	0.34	2.19	-75.47	2,169.23	-8,371.22	8,647.71	8,645.19	2.52	3,425.503		
250.00	250.00	198.00	250.00	0.45	2.93	-75.47	2,169.23	-8,371.22	8,647.71	8,644.33	3.38	2,561.629		
300.00	300.00	248.00	300.00	0.56	3.67	-75.47	2,169.23	-8,371.22	8,647.71	8,643.48	4.23	2,045.721		
350.00	350.00	298.00	350.00	0.67	4.40	-75.47	2,169.23	-8,371.22	8,647.71	8,642.63	5.08	1,702.783		
400.00	400.00	348.00	400.00	0.79	5.14	-75.47	2,169.23	-8,371.22	8,647.71	8,641.78	5.93	1,458.316		
450.00	450.00	398.00	450.00	0.90	5.88	-75.47	2,169.23	-8,371.22	8,647.71	8,640.93	6.78	1,275.232		
500.00	500.00	448.00	500.00	1.01	6.62	-75.47	2,169.23	-8,371.22	8,647.71	8,640.08	7.63	1,132.990		
550.00	550.00	498.00	550.00	1.11	7.36	-75.47	2,169.23	-8,371.22	8,647.70	8,638.48	8.22	938.067		
600.00	599.97	547.97	599.97	1.21	8.63	-75.47	2,169.23	-8,371.22	8,647.65	8,636.82	10.84	798.119		
650.00	649.89	597.89	649.89	1.30	11.14	-75.47	2,169.23	-8,371.22	8,647.58	8,635.14	12.45	694.827		
700.00	699.75	647.75	699.75	1.40	12.86	-75.47	2,169.23	-8,371.22	8,647.48	8,633.43	14.05	615.282		
750.00	749.50	697.50	749.50	1.51	14.17	-75.47	2,169.23	-8,371.22	8,647.36	8,631.68	15.68	551.601		
800.00	799.14	747.14	799.14	1.62	15.57	-75.47	2,169.23	-8,371.22	8,647.21	8,629.91	17.30	499.951		
850.00	848.64	796.64	848.64	1.76	17.18	-75.47	2,169.23	-8,371.22	8,647.04	8,628.10	18.93	456.689		
900.00	897.97	845.97	897.97	1.89	18.88	-75.47	2,169.23	-8,371.22	8,646.85	8,626.28	20.57	420.403		
950.00	947.11	895.11	947.11	2.06	20.17	-75.47	2,169.23	-8,371.22	8,646.64	8,624.42	22.23	389.043		
1,000.00	996.04	944.04	996.04	2.22	21.85	-75.47	2,169.23	-8,371.22	8,646.43	8,622.55	23.88	362.121		
1,050.00	1,044.74	992.75	1,044.74	2.42	23.13	-75.47	2,169.23	-8,371.22	8,646.20	8,620.65	25.56	338.320		
1,100.00	1,093.17	1,041.18	1,093.17	2.62	24.80	-75.47	2,169.23	-8,371.22	8,645.97	8,618.75	27.23	317.541		
1,150.00	1,141.32	1,089.34	1,141.32	2.86	26.07	-75.47	2,169.23	-8,371.22	8,645.75	8,616.82	28.93	298.872		
1,200.00	1,189.17	1,137.18	1,189.17	3.10	27.52	-75.47	2,169.23	-8,371.22	8,645.52	8,614.90	30.62	282.354		
1,250.00	1,236.69	1,184.70	1,236.69	3.38	28.96	-75.47	2,169.23	-8,371.22	8,645.31	8,612.97	32.34	267.332		
1,300.00	1,283.85	1,231.87	1,283.85	3.65	30.40	-75.47	2,169.23	-8,371.22	8,645.12	8,611.07	34.05	253.901		
1,350.00	1,330.65	1,278.68	1,330.65	3.97	31.82	-75.47	2,169.23	-8,371.22	8,644.95	8,609.16	35.79	241.571		
1,400.00	1,377.05	1,325.06	1,377.05	4.29	33.23	-75.47	2,169.23	-8,371.22	8,644.80	8,607.29	37.51	230.453		
1,450.00	1,423.03	1,371.04	1,423.03	4.64	34.62	-75.47	2,169.23	-8,371.22	8,644.70	8,605.43	39.26	220.170		
1,500.00	1,468.57	1,416.58	1,468.57	5.00	36.00	-75.47	2,169.23	-8,371.22	8,644.63	8,603.63	41.00	210.833		
1,538.49	1,503.32	1,451.33	1,503.32	5.30	37.06	-75.47	2,169.23	-8,371.22	8,644.62	8,602.26	42.36	204.074 CC		
1,550.00	1,513.65	1,461.67	1,513.65	5.39	37.37	-75.47	2,169.23	-8,371.22	8,644.62	8,601.85	42.76	202.144		
1,600.00	1,558.25	1,506.27	1,558.25	5.78	38.73	-75.47	2,169.23	-8,371.22	8,644.66	8,600.15	44.51	194.205		
1,650.00	1,602.35	1,550.37	1,602.35	6.22	40.07	-75.47	2,169.23	-8,371.22	8,644.77	8,598.49	46.28	186.782		
1,700.00	1,645.92	1,593.94	1,645.92	6.65	41.39	-75.47	2,169.23	-8,371.22	8,644.95	8,596.91	48.04	179.966		
1,750.00	1,688.94	1,636.96	1,688.94	7.11	42.70	-75.47	2,169.23	-8,371.22	8,645.21	8,595.40	49.81	173.565		
1,800.00	1,731.40	1,679.42	1,731.40	7.56	43.99	-75.47	2,169.23	-8,371.22	8,645.56	8,593.99	51.57	167.661		
1,850.00	1,773.27	1,721.29	1,773.27	8.08	45.26	-75.47	2,169.23	-8,371.22	8,646.01	8,592.67	53.34	162.096		
1,900.00	1,814.54	1,762.56	1,814.54	8.59	46.51	-75.47	2,169.23	-8,371.22	8,646.56	8,591.46	55.09	156.944		
1,950.00	1,855.18	1,803.20	1,855.18	9.12	47.75	-75.47	2,169.23	-8,371.22	8,647.22	8,590.36	56.86	152.073		
2,000.00	1,895.18	1,843.20	1,895.18	9.66	48.96	-75.47	2,169.23	-8,371.22	8,648.01	8,589.40	58.61	147.548		
2,050.00	1,934.51	1,878.00	1,929.97	10.22	50.02	-75.47	2,169.23	-8,371.22	8,648.93	8,588.70	60.23	143.593		
2,100.00	1,973.23	1,878.00	1,929.97	10.79	50.02	-75.47	2,169.23	-8,371.22	8,650.10	8,589.29	60.80	142.263		
2,150.00	2,011.83	1,959.86	2,011.83	11.38	52.50	-75.47	2,169.23	-8,371.22	8,651.17	8,587.30	63.87	135.460		
2,200.00	2,050.44	1,998.47	2,050.44	11.96	53.68	-75.47	2,169.23	-8,371.22	8,652.46	8,586.85	65.62	131.866		
2,250.00	2,089.05	2,037.07	2,089.06	12.54	54.85	-75.47	2,169.23	-8,371.22	8,653.87	8,586.50	67.37	128.455		
2,300.00	2,127.65	2,075.68	2,127.65	13.12	56.02	-75.47	2,169.23	-8,371.22	8,655.40	8,586.28	69.12	125.222		
2,350.00	2,166.26	2,114.29	2,166.26	13.71	57.19	-75.47	2,169.23	-8,371.22	8,657.04	8,586.17	70.87	122.146 ES		
2,400.00	2,204.87	2,152.89	2,204.87	14.30	58.37	-75.47	2,169.23	-8,371.22	8,658.80	8,586.18	72.63	119.221		
2,450.00	2,243.47	2,191.50	2,243.47	14.89	59.54	-75.47	2,169.23	-8,371.22	8,660.68	8,586.30	74.38	116.433		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SB 2 Pad - SB 2 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 450-INCLINOMETER													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,500.00	2,282.08	2,230.11	2,282.08	15.47	60.71	92.88	2,189.23	-8,371.22	8,662.67	8,586.53	76.14	113.775		
2,550.00	2,320.69	2,268.71	2,320.69	16.06	61.88	93.02	2,189.23	-8,371.22	8,664.78	8,586.89	77.89	111.240		
2,600.00	2,359.29	2,307.32	2,359.29	16.65	63.05	93.18	2,189.23	-8,371.22	8,667.00	8,587.36	79.65	108.817		
2,650.00	2,397.90	2,345.93	2,397.90	17.24	64.23	93.34	2,189.23	-8,371.22	8,669.35	8,587.94	81.40	106.500		
2,700.00	2,436.51	2,384.00	2,436.51	17.83	64.85	93.40	2,189.23	-8,371.22	8,671.84	8,588.42	82.42	105.220		
2,750.00	2,475.11	2,423.16	2,475.11	18.42	66.57	93.67	2,189.23	-8,371.22	8,674.37	8,589.46	84.91	102.157		
2,800.00	2,513.72	2,461.77	2,513.72	19.02	67.75	93.83	2,189.23	-8,371.22	8,677.06	8,590.39	86.67	100.121		
2,850.00	2,552.33	2,500.38	2,552.33	19.61	68.92	93.99	2,189.23	-8,371.22	8,679.86	8,591.44	88.42	98.166		
2,900.00	2,590.93	2,538.98	2,590.93	20.20	70.09	94.15	2,189.23	-8,371.22	8,682.78	8,592.61	90.17	96.290		
2,950.00	2,629.54	2,577.59	2,629.54	20.79	71.26	94.32	2,189.23	-8,371.22	8,685.81	8,593.89	91.93	94.487		
3,000.00	2,668.15	2,616.20	2,668.15	21.38	72.44	94.48	2,189.23	-8,371.22	8,688.96	8,595.28	93.68	92.753		
3,050.00	2,706.75	2,654.80	2,706.75	21.98	73.61	94.64	2,189.23	-8,371.22	8,692.23	8,596.80	95.43	91.084		
3,100.00	2,745.36	2,693.41	2,745.36	22.57	74.78	94.80	2,189.23	-8,371.22	8,695.60	8,598.42	97.18	89.478		
3,150.00	2,783.97	2,732.02	2,783.97	23.17	75.95	94.96	2,189.23	-8,371.22	8,699.10	8,600.16	98.93	87.929		
3,200.00	2,822.57	2,770.62	2,822.57	23.76	77.12	95.12	2,189.23	-8,371.22	8,702.71	8,602.02	100.68	86.437		
3,250.00	2,861.18	2,809.23	2,861.18	24.35	78.30	95.28	2,189.23	-8,371.22	8,706.43	8,604.00	102.43	84.997		
3,300.00	2,899.79	2,847.84	2,899.79	24.95	79.47	95.45	2,189.23	-8,371.22	8,710.26	8,606.08	104.18	83.607		
3,350.00	2,938.39	2,886.44	2,938.39	25.54	80.64	95.61	2,189.23	-8,371.22	8,714.21	8,608.29	105.93	82.285		
3,400.00	2,977.00	2,925.05	2,977.00	26.14	81.81	95.77	2,189.23	-8,371.22	8,718.26	8,610.60	107.68	80.968		
3,450.00	3,015.61	2,964.00	3,015.61	26.73	82.97	95.93	2,189.23	-8,371.22	8,722.49	8,613.77	109.42	79.732		
3,500.00	3,054.21	3,002.28	3,054.21	27.33	84.16	96.09	2,189.23	-8,371.22	8,726.75	8,616.58	111.17	78.560		
3,550.00	3,092.82	3,040.89	3,092.82	27.92	85.33	96.25	2,189.23	-8,371.22	8,731.16	8,618.24	112.91	77.326		
3,600.00	3,131.43	3,079.50	3,131.43	28.52	86.50	96.41	2,189.23	-8,371.22	8,735.71	8,621.75	114.66	76.059		
3,650.00	3,170.03	3,056.00	3,170.03	29.11	87.79	96.57	2,189.23	-8,371.22	8,740.33	8,625.98	116.41	74.805		
3,700.00	3,208.64	3,096.00	3,208.64	29.71	89.09	96.73	2,189.23	-8,371.22	8,745.03	8,630.49	118.16	73.566		
3,750.00	3,247.25	3,056.00	3,247.25	30.30	90.40	96.89	2,189.23	-8,371.22	8,750.02	8,635.29	119.91	72.344		
3,800.00	3,285.85	3,056.00	3,285.85	30.90	91.71	97.05	2,189.23	-8,371.22	8,755.69	8,640.36	121.66	71.138		
3,850.00	3,324.46	3,056.00	3,324.46	31.49	93.02	97.21	2,189.23	-8,371.22	8,761.64	8,645.72	123.41	69.948		
3,900.00	3,363.07	3,056.00	3,363.07	32.09	94.33	97.37	2,189.23	-8,371.22	8,767.87	8,651.36	125.16	68.773		
3,950.00	3,401.67	3,056.00	3,401.67	32.68	95.64	97.53	2,189.23	-8,371.22	8,774.38	8,657.28	126.91	67.613		
4,000.00	3,440.28	3,056.00	3,440.28	33.28	96.95	97.69	2,189.23	-8,371.22	8,781.18	8,663.48	128.66	66.468		
4,050.00	3,478.88	3,056.00	3,478.88	33.87	98.26	97.85	2,189.23	-8,371.22	8,788.25	8,669.96	130.41	65.338		
4,100.00	3,517.49	3,056.00	3,517.49	34.47	99.57	98.01	2,189.23	-8,371.22	8,795.60	8,676.72	132.16	64.223		

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SB 21 Pad - SB 6D1 - OH - Plan #1										Offset Site Error:		0.00 ft	
Survey Program: 0-SDI MWD										Offset Well Error:		0.00 ft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance				Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N-S (ft)	+E-W (ft)	Between Centres (ft)	Between Ellipses (ft)		Minimum Separation (ft)	Separation Factor
0.00	0.00	0.00	0.00	0.00	0.00	-78.67	13.10	-65.39	66.69				
50.00	50.00	50.00	50.00	0.08	0.06	-78.87	13.10	-65.39	66.69	66.57	0.11	592.863	
100.00	100.00	100.00	100.00	0.11	0.11	-78.67	13.10	-65.39	66.69	66.46	0.22	296.895	
150.00	150.00	150.00	150.00	0.22	0.22	-78.67	13.10	-65.39	66.69	66.24	0.45	148.348	
200.00	200.00	200.00	200.00	0.34	0.34	-78.67	13.10	-65.39	66.69	66.01	0.67	98.898	
250.00	250.00	250.00	250.00	0.45	0.45	-78.67	13.10	-65.39	66.69	65.79	0.90	74.174	
300.00	300.00	300.00	300.00	0.56	0.56	-78.67	13.10	-65.39	66.69	65.56	1.12	59.339	
350.00	350.00	350.00	350.00	0.67	0.67	-78.67	13.10	-65.39	66.69	65.34	1.35	49.449	
400.00	400.00	400.00	400.00	0.79	0.79	-78.67	13.10	-65.39	66.69	65.11	1.57	42.385	
450.00	450.00	450.00	450.00	0.90	0.90	-78.67	13.10	-65.39	66.69	64.89	1.80	37.087	
500.00	500.00	500.00	500.00	1.01	1.01	-78.67	13.10	-65.39	66.69	64.66	2.02	32.966 CC, ES	
550.00	550.00	548.14	548.13	1.11	1.12	85.91	13.48	-65.99	67.34	65.11	2.23	30.236	
600.00	599.97	595.15	596.09	1.21	1.22	87.75	14.59	-67.79	69.33	66.90	2.43	28.522	
650.00	649.89	643.90	643.71	1.30	1.33	90.57	16.43	-70.76	72.81	70.18	2.63	27.684	
700.00	699.75	691.26	690.83	1.40	1.44	94.04	18.99	-74.87	77.97	75.14	2.83	27.559 SF	
750.00	749.50	738.12	737.28	1.51	1.57	97.82	22.22	-80.08	84.97	81.92	3.05	27.879	
800.00	799.14	784.35	782.93	1.62	1.70	101.80	26.09	-86.32	93.95	90.88	3.27	28.772	
850.00	848.64	829.86	827.83	1.76	1.84	105.15	30.66	-93.53	104.98	101.48	3.51	29.929	
900.00	897.97	874.55	871.29	1.89	2.00	108.34	35.59	-101.84	118.09	114.34	3.75	31.496	
950.00	947.11	918.32	913.78	2.06	2.17	111.13	41.13	-110.56	133.24	129.22	4.02	33.171	
1,000.00	996.04	961.10	955.03	2.22	2.36	113.50	47.11	-120.21	150.36	146.07	4.29	35.065	
1,050.00	1,044.74	1,000.00	992.26	2.42	2.53	115.33	53.04	-129.77	169.41	164.84	4.57	37.052	
1,100.00	1,093.17	1,043.44	1,033.51	2.62	2.77	117.13	60.22	-141.34	190.24	185.36	4.88	38.980	
1,150.00	1,141.32	1,082.89	1,070.65	2.88	2.99	118.46	67.23	-152.84	212.83	207.82	5.21	40.889	
1,200.00	1,189.17	1,121.14	1,106.34	3.10	3.23	119.54	74.45	-164.33	237.07	231.54	5.53	42.872	
1,250.00	1,236.69	1,158.16	1,140.58	3.38	3.46	120.39	81.91	-176.31	262.89	257.00	5.88	44.690	
1,300.00	1,283.85	1,200.00	1,178.86	3.65	3.77	121.25	90.80	-189.64	290.27	284.03	6.24	46.488	
1,350.00	1,330.65	1,228.46	1,204.65	3.97	4.00	121.51	97.14	-200.86	318.92	312.32	6.61	48.284	
1,400.00	1,377.05	1,261.71	1,234.52	4.29	4.27	121.83	104.85	-213.28	349.00	342.02	6.98	50.015	
1,450.00	1,423.03	1,300.00	1,268.54	4.64	4.58	122.21	114.11	-226.22	380.40	373.01	7.39	51.477	
1,500.00	1,468.57	1,324.44	1,290.03	5.00	4.81	122.07	120.25	-238.11	412.89	405.12	7.77	53.157	
1,550.00	1,513.65	1,353.94	1,315.73	5.39	5.09	122.01	127.87	-250.40	446.57	438.38	8.19	54.543	
1,600.00	1,558.25	1,382.21	1,340.12	5.78	5.35	121.84	135.41	-262.55	481.33	472.73	8.60	55.970	
1,650.00	1,602.35	1,400.00	1,355.34	6.22	5.52	121.29	140.27	-270.38	517.21	508.20	9.01	57.414	
1,700.00	1,645.92	1,435.16	1,385.12	6.65	5.90	121.22	150.12	-286.26	553.84	544.38	9.48	58.426	
1,750.00	1,688.94	1,459.89	1,405.82	7.11	6.16	120.76	157.25	-297.76	591.46	581.52	9.94	59.483	
1,800.00	1,731.40	1,483.48	1,425.38	7.58	6.42	120.20	164.21	-308.97	629.84	619.53	10.40	60.547	
1,850.00	1,773.27	1,500.00	1,438.96	8.08	6.59	119.36	169.17	-316.96	669.24	658.36	10.88	61.515	
1,900.00	1,814.54	1,527.41	1,461.27	8.59	6.92	118.82	177.55	-330.48	709.21	697.82	11.39	62.262	
1,950.00	1,855.18	1,547.79	1,477.70	9.12	7.17	117.99	183.92	-340.74	749.91	737.98	11.93	62.849	
2,000.00	1,895.18	1,567.16	1,493.17	9.66	7.40	117.05	190.06	-350.65	791.27	778.78	12.48	63.381	
2,050.00	1,934.51	1,600.00	1,519.07	10.22	7.80	116.56	200.70	-367.80	833.41	820.33	13.08	63.722	
2,100.00	1,973.23	1,600.00	1,519.07	10.79	7.80	115.57	200.70	-367.80	875.74	862.10	13.64	64.195	
2,150.00	2,011.83	1,620.01	1,534.65	11.38	8.06	116.32	207.32	-378.47	918.57	904.39	14.18	64.785	
2,200.00	2,050.44	1,636.54	1,547.41	11.96	8.28	116.88	212.86	-387.40	961.67	946.95	14.71	65.364	
2,250.00	2,089.05	1,652.64	1,559.74	12.54	8.50	117.39	218.33	-396.21	1,005.01	989.76	15.25	65.914	
2,300.00	2,127.65	1,668.34	1,571.65	13.12	8.71	117.85	223.71	-404.89	1,048.58	1,032.81	15.78	66.449	
2,350.00	2,166.25	1,700.00	1,595.38	13.71	9.13	118.68	234.76	-422.70	1,092.57	1,076.24	16.32	66.936	
2,400.00	2,204.87	1,700.00	1,595.38	14.30	9.13	118.68	234.76	-422.70	1,136.38	1,119.53	16.85	67.450	
2,450.00	2,243.47	1,700.00	1,595.38	14.89	9.13	118.68	234.76	-422.70	1,180.68	1,163.30	17.37	67.955	
2,500.00	2,282.08	1,727.29	1,615.51	15.47	9.53	119.30	244.47	-438.36	1,224.93	1,207.01	17.92	68.359	
2,550.00	2,320.69	1,741.12	1,625.59	16.06	9.73	119.59	249.47	-446.40	1,269.47	1,251.02	18.45	68.788	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SB 21 Pad - SB 6D1 - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-SDI MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,800.00	2,358.28	1,754.62	1,635.35	16.85	9.93	119.85	254.38	-454.32	1,314.17	1,295.18	18.99	69.203		
2,850.00	2,397.90	1,767.79	1,644.80	17.24	10.12	120.09	259.21	-462.12	1,359.03	1,339.51	19.53	69.604		
2,700.00	2,436.51	1,800.00	1,667.61	17.83	10.59	120.61	271.21	-481.45	1,404.26	1,384.18	20.08	69.939		
2,750.00	2,475.11	1,800.00	1,667.61	18.42	10.59	120.61	271.21	-481.45	1,449.21	1,426.61	20.60	70.347		
2,800.00	2,513.72	1,800.00	1,667.61	19.02	10.59	120.61	271.21	-481.45	1,494.48	1,473.36	21.12	70.750		
2,850.00	2,552.33	1,800.00	1,667.61	19.61	10.59	120.61	271.21	-481.45	1,540.05	1,516.40	21.65	71.144		
2,900.00	2,590.93	1,829.05	1,687.78	20.20	11.05	121.01	282.22	-499.21	1,585.41	1,563.21	22.20	71.405		
2,950.00	2,629.54	1,840.45	1,695.00	20.79	11.23	121.15	286.60	-506.26	1,631.06	1,608.32	22.74	71.728		
3,000.00	2,668.15	1,851.59	1,703.16	21.39	11.41	121.28	290.90	-513.20	1,676.82	1,653.55	23.27	72.044		
3,050.00	2,706.75	1,862.47	1,710.53	21.98	11.58	121.40	295.13	-520.01	1,722.70	1,698.89	23.81	72.350		
3,100.00	2,745.36	1,873.11	1,717.67	22.57	11.75	121.51	299.29	-526.72	1,768.67	1,744.33	24.35	72.646		
3,150.00	2,783.97	1,900.00	1,735.48	23.17	12.16	121.76	309.91	-543.84	1,814.89	1,789.99	24.90	72.873		
3,200.00	2,822.57	1,900.00	1,735.48	23.76	12.18	121.76	309.91	-543.84	1,860.95	1,835.52	25.42	73.194		
3,250.00	2,861.18	1,900.00	1,735.48	24.35	12.18	121.76	309.91	-543.84	1,907.20	1,881.25	25.95	73.506		
3,300.00	2,899.79	1,900.00	1,735.48	24.95	12.18	121.76	309.91	-543.84	1,953.64	1,927.17	26.47	73.817		
3,350.00	2,938.39	1,900.00	1,735.48	25.54	12.18	121.76	309.91	-543.84	2,000.25	1,973.28	26.99	74.120		
3,400.00	2,977.00	1,932.12	1,756.31	26.14	12.72	122.01	322.80	-564.61	2,046.52	2,018.96	27.58	74.258		
3,450.00	3,015.61	1,941.21	1,762.12	26.73	12.88	122.07	326.48	-570.56	2,093.13	2,065.03	28.10	74.500		
3,500.00	3,054.21	1,950.12	1,767.77	27.33	13.03	122.13	330.11	-576.40	2,139.81	2,111.18	28.63	74.738		
3,550.00	3,092.82	1,958.83	1,773.27	27.92	13.18	122.18	333.88	-582.15	2,186.57	2,157.41	29.17	74.969		
3,600.00	3,131.43	1,967.38	1,778.61	28.52	13.32	122.23	337.16	-587.80	2,233.40	2,203.70	29.70	75.195		
3,650.00	3,170.03	2,000.00	1,798.74	29.11	13.88	122.38	350.73	-609.64	2,280.58	2,250.28	30.28	75.310		
3,700.00	3,208.64	2,000.00	1,798.74	29.71	13.88	122.38	350.73	-609.64	2,327.40	2,296.59	30.80	75.561		
3,750.00	3,247.25	2,000.00	1,798.74	30.30	13.88	122.38	350.73	-609.64	2,374.34	2,343.02	31.32	75.807		
3,800.00	3,285.85	2,000.00	1,798.74	30.90	13.88	122.38	350.73	-609.64	2,421.42	2,389.58	31.84	76.048		
3,850.00	3,324.46	2,007.44	1,803.25	31.49	14.01	122.41	353.84	-614.56	2,468.58	2,436.20	32.38	76.246		
3,900.00	3,363.07	2,019.32	1,810.43	32.09	14.22	122.46	358.64	-622.71	2,515.79	2,482.87	32.92	76.419		
3,950.00	3,401.67	2,035.73	1,820.33	32.68	14.51	122.52	365.74	-633.83	2,563.01	2,529.54	33.48	76.564		
4,000.00	3,440.28	2,052.14	1,830.22	33.28	14.80	122.57	372.84	-644.96	2,610.24	2,578.21	34.03	76.704		
4,050.00	3,478.88	2,068.55	1,840.12	33.87	15.09	122.63	379.54	-656.08	2,657.46	2,622.88	34.58	76.841		
4,100.00	3,517.49	2,084.98	1,850.02	34.47	15.39	122.68	386.44	-667.20	2,704.68	2,669.55	35.14	76.974		

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SU 11 Pad - SU 11 - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 95-INCLINOMETER														Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.00	0.00	430.00	-87.00	0.00	11.62	-0.07	7,221.90	-8.75	7,222.43	7,210.81	11.62	821.760			
50.00	50.00	587.00	50.00	0.06	19.78	-0.07	7,221.90	-8.75	7,221.90	7,206.07	15.83	456.134			
100.00	100.00	617.00	100.00	0.11	17.30	-0.07	7,221.90	-8.75	7,221.90	7,204.49	17.41	414.874			
150.00	150.00	618.00	100.99	0.22	17.33	-0.07	7,221.90	-8.75	7,222.07	7,204.52	17.55	411.512			
200.00	200.00	618.00	100.99	0.34	17.33	-0.07	7,221.90	-8.75	7,222.58	7,204.92	17.66	408.922			
250.00	250.00	787.01	250.00	0.45	21.85	-0.07	7,221.90	-8.75	7,221.90	7,199.80	22.30	323.851			
300.00	300.00	817.01	300.00	0.56	23.37	-0.07	7,221.90	-8.75	7,221.90	7,197.97	23.93	301.782			
333.33	333.33	850.34	333.33	0.64	24.38	-0.07	7,221.90	-8.75	7,221.90	7,196.88	25.02	288.670			
350.00	350.00	867.00	349.98	0.67	24.89	-0.07	7,221.90	-8.75	7,221.90	7,196.34	25.56	282.532			
400.00	400.00	867.00	349.98	0.79	24.89	-0.07	7,221.90	-8.75	7,222.08	7,196.40	25.67	281.302			
450.00	450.00	967.02	450.00	0.90	27.92	-0.07	7,221.90	-8.75	7,221.90	7,193.06	28.82	250.555			
500.00	500.00	1,017.02	500.00	1.01	29.44	-0.07	7,221.90	-8.75	7,221.90	7,191.45	30.45	237.138 CC			
550.00	550.00	1,067.02	550.00	1.11	30.96	-0.07	7,221.90	-8.75	7,222.43	7,190.36	32.07	225.227			
600.00	598.97	1,116.99	599.97	1.21	32.48	-0.07	7,221.90	-8.75	7,224.00	7,190.33	33.67	214.569 ES			
650.00	649.89	1,166.92	649.89	1.30	33.99	-0.07	7,221.90	-8.75	7,226.62	7,191.37	35.25	205.039			
700.00	699.75	1,216.77	699.75	1.40	35.51	-0.07	7,221.90	-8.75	7,230.28	7,193.48	36.80	196.480			
750.00	749.50	1,266.53	749.50	1.51	37.02	-0.07	7,221.90	-8.75	7,234.99	7,196.64	38.35	188.677			
800.00	799.14	1,303.00	785.87	1.62	38.13	-0.07	7,221.90	-8.75	7,240.75	7,201.28	39.47	183.466			
850.00	848.64	1,303.00	785.87	1.76	38.13	-0.07	7,221.90	-8.75	7,247.80	7,208.32	39.48	183.588			
900.00	897.97	1,303.00	785.87	1.89	38.13	-0.07	7,221.90	-8.75	7,256.22	7,218.75	39.47	183.828			
950.00	947.11	1,464.15	947.11	2.06	43.02	-0.07	7,221.90	-8.75	7,264.22	7,219.95	44.26	164.112			
1,000.00	996.04	1,513.08	996.04	2.22	44.51	-0.07	7,221.90	-8.75	7,274.10	7,228.44	45.67	159.284			
1,050.00	1,044.74	1,561.77	1,044.74	2.42	45.99	-0.07	7,221.90	-8.75	7,285.02	7,237.98	47.04	154.866			
1,100.00	1,093.17	1,610.20	1,093.17	2.62	47.46	-0.07	7,221.90	-8.75	7,296.95	7,248.58	48.37	150.847			
1,150.00	1,141.32	1,658.36	1,141.32	2.86	48.92	-0.07	7,221.90	-8.75	7,309.90	7,260.23	49.67	147.162			
1,200.00	1,189.17	1,706.20	1,189.17	3.10	50.37	-0.07	7,221.90	-8.75	7,323.86	7,272.93	50.93	143.812			
1,250.00	1,238.69	1,753.72	1,238.69	3.38	51.82	-0.07	7,221.90	-8.75	7,338.82	7,286.68	52.14	140.741			
1,300.00	1,283.85	1,796.00	1,278.93	3.65	53.10	-0.07	7,221.90	-8.75	7,354.78	7,301.60	53.17	138.318			
1,350.00	1,330.65	1,796.00	1,278.93	3.97	53.10	-0.07	7,221.90	-8.75	7,371.90	7,318.93	52.97	139.159			
1,400.00	1,377.05	1,894.12	1,377.05	4.29	56.08	-0.07	7,221.90	-8.75	7,389.65	7,334.13	55.52	133.096			
1,450.00	1,423.03	1,940.10	1,423.03	4.64	57.48	-0.07	7,221.90	-8.75	7,408.55	7,351.99	56.56	130.991			
1,500.00	1,468.57	1,985.84	1,468.57	5.00	58.86	-0.07	7,221.90	-8.75	7,428.42	7,370.88	57.54	129.102			
1,550.00	1,513.65	2,030.72	1,513.65	5.39	60.23	-0.07	7,221.90	-8.75	7,449.24	7,390.76	58.48	127.386			
1,600.00	1,558.25	2,075.32	1,558.25	5.78	61.58	-0.07	7,221.90	-8.75	7,471.01	7,411.65	59.38	125.860			
1,650.00	1,602.35	2,119.42	1,602.35	6.22	62.92	-0.07	7,221.90	-8.75	7,493.71	7,433.52	60.20	124.486			
1,700.00	1,645.92	2,162.99	1,645.92	6.65	64.24	-0.07	7,221.90	-8.75	7,517.35	7,456.37	60.98	123.281			
1,750.00	1,688.94	2,204.00	1,688.91	7.11	65.49	-0.07	7,221.90	-8.75	7,541.90	7,480.24	61.68	122.314			
1,800.00	1,731.40	2,204.00	1,688.91	7.58	65.49	-0.07	7,221.90	-8.75	7,567.40	7,506.24	61.24	123.568			
1,850.00	1,773.27	2,204.00	1,688.91	8.08	65.49	-0.07	7,221.90	-8.75	7,594.19	7,533.37	60.82	124.855			
1,900.00	1,814.54	2,204.00	1,688.91	8.59	65.49	-0.07	7,221.90	-8.75	7,622.00	7,561.60	60.40	126.202			
1,950.00	1,855.18	2,372.27	1,855.18	9.12	70.60	-0.07	7,221.90	-8.75	7,649.03	7,584.90	64.13	119.271			
2,000.00	1,895.16	2,412.26	1,895.16	9.66	71.81	-0.07	7,221.90	-8.75	7,677.99	7,613.38	64.61	118.838			
2,050.00	1,934.51	2,451.60	1,934.51	10.22	73.01	-0.07	7,221.90	-8.75	7,707.79	7,642.74	65.04	118.500			
2,100.00	1,973.23	2,490.31	1,973.23	10.79	74.18	-0.07	7,221.90	-8.75	7,738.34	7,672.55	65.79	117.628			
2,150.00	2,011.83	2,528.92	2,011.83	11.38	75.39	-0.07	7,221.90	-8.75	7,769.03	7,702.05	66.88	115.991			
2,200.00	2,050.44	2,567.53	2,050.44	11.96	76.53	-0.07	7,221.90	-8.75	7,799.73	7,731.56	68.17	114.413			
2,250.00	2,089.05	2,606.13	2,089.05	12.54	77.70	-0.07	7,221.90	-8.75	7,830.44	7,761.07	69.37	112.884			
2,300.00	2,127.65	2,644.74	2,127.65	13.12	78.87	-0.07	7,221.90	-8.75	7,861.15	7,790.59	70.56	111.408			
2,350.00	2,166.26	2,683.35	2,188.26	13.71	80.05	-0.07	7,221.90	-8.75	7,891.88	7,820.12	71.76	109.978			
2,400.00	2,204.87	2,721.96	2,204.87	14.30	81.22	-0.07	7,221.90	-8.75	7,922.61	7,849.66	72.95	108.596			
2,450.00	2,243.47	2,759.00	2,241.89	14.89	82.34	-0.07	7,221.90	-8.75	7,953.35	7,879.24	74.12	107.310			
2,500.00	2,282.08	2,759.00	2,241.89	15.47	82.34	-0.07	7,221.90	-8.75	7,984.20	7,909.60	74.40	107.310			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SU 11 Pad- SU 11 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 95-INCLINOMETER													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,550.00	2,320.69	2,837.80	2,320.69	16.06	84.74	161.49	7,221.90	-8.75	8,014.86	7,936.31	78.55	104.703		
2,500.00	2,359.29	2,876.41	2,359.29	16.65	85.91	161.56	7,221.90	-8.75	8,045.63	7,967.88	77.75	103.485		
2,550.00	2,397.90	2,915.01	2,397.90	17.24	87.08	161.63	7,221.90	-8.75	8,076.40	7,997.46	78.94	102.304		
2,700.00	2,436.51	2,953.62	2,436.51	17.83	88.26	161.70	7,221.90	-8.75	8,107.18	8,027.04	80.14	101.159		
2,750.00	2,475.11	2,992.23	2,475.11	18.42	89.43	161.76	7,221.90	-8.75	8,137.97	8,056.53	81.34	100.047		
2,800.00	2,513.72	3,030.83	2,513.72	19.02	90.60	161.83	7,221.90	-8.75	8,168.77	8,086.23	82.54	98.989		
2,850.00	2,552.33	3,069.44	2,552.33	19.61	91.77	161.90	7,221.90	-8.75	8,199.57	8,115.83	83.74	97.921		
2,900.00	2,590.93	3,108.05	2,590.93	20.20	92.94	161.97	7,221.90	-8.75	8,230.38	8,145.45	84.93	96.903		
2,950.00	2,629.54	3,134.00	2,616.88	20.79	93.73	162.01	7,221.90	-8.75	8,261.21	8,175.37	85.84	96.245		
3,000.00	2,668.15	3,134.00	2,616.88	21.39	93.73	162.01	7,221.90	-8.75	8,292.18	8,206.06	86.13	96.278		
3,050.00	2,706.75	3,223.87	2,706.75	21.98	96.46	162.17	7,221.90	-8.75	8,322.66	8,234.33	88.53	94.016		
3,100.00	2,745.36	3,262.48	2,745.36	22.57	97.63	162.23	7,221.90	-8.75	8,353.70	8,263.97	89.72	93.106		
3,150.00	2,783.97	3,301.08	2,783.97	23.17	98.81	162.30	7,221.90	-8.75	8,384.54	8,293.82	90.92	92.220		
3,200.00	2,822.57	3,339.69	2,822.57	23.76	99.98	162.36	7,221.90	-8.75	8,415.40	8,323.28	92.11	91.358		
3,250.00	2,861.18	3,378.30	2,861.18	24.35	101.15	162.43	7,221.90	-8.75	8,446.26	8,352.95	93.31	90.518		
3,300.00	2,899.76	3,416.90	2,899.79	24.95	102.32	162.49	7,221.90	-8.75	8,477.12	8,382.82	94.50	89.700		
3,350.00	2,938.39	3,455.51	2,938.39	25.54	103.50	162.55	7,221.90	-8.75	8,508.00	8,412.30	95.70	88.903		
3,400.00	2,977.00	3,494.12	2,977.00	26.14	104.67	162.62	7,221.90	-8.75	8,538.88	8,441.98	96.89	88.126		
3,450.00	3,015.61	3,521.00	3,003.88	26.73	105.48	162.66	7,221.90	-8.75	8,569.77	8,471.96	97.81	87.613 SF		
3,500.00	3,054.21	3,521.00	3,003.88	27.33	105.48	162.66	7,221.90	-8.75	8,600.80	8,502.70	98.11	87.688		
3,550.00	3,092.82	3,521.00	3,003.88	27.92	105.48	162.66	7,221.90	-8.75	8,632.02	8,533.82	98.40	87.725		
3,600.00	3,131.43	3,521.00	3,003.88	28.52	105.48	162.66	7,221.90	-8.75	8,663.40	8,564.71	98.69	87.782		
3,650.00	3,170.03	3,521.00	3,003.88	29.11	105.48	162.66	7,221.90	-8.75	8,694.96	8,595.98	98.98	87.841		
3,700.00	3,206.64	3,521.00	3,003.88	29.71	105.48	162.66	7,221.90	-8.75	8,726.70	8,627.42	99.28	87.901		
3,750.00	3,247.25	3,521.00	3,003.88	30.30	105.48	162.66	7,221.90	-8.75	8,758.60	8,658.03	99.57	87.963		
3,800.00	3,285.85	3,521.00	3,003.88	30.90	105.48	162.66	7,221.90	-8.75	8,790.67	8,690.81	99.87	88.025		
3,850.00	3,324.46	3,521.00	3,003.88	31.49	105.48	162.66	7,221.90	-8.75	8,822.91	8,722.75	100.16	88.089		
3,900.00	3,363.07	3,521.00	3,003.88	32.09	105.48	162.66	7,221.90	-8.75	8,855.32	8,754.86	100.45	88.154		
3,950.00	3,401.67	3,521.00	3,003.88	32.68	105.48	162.66	7,221.90	-8.75	8,887.88	8,787.14	100.75	88.220		
4,000.00	3,440.28	3,521.00	3,003.88	33.28	105.48	162.66	7,221.90	-8.75	8,920.61	8,819.57	101.04	88.287		
4,050.00	3,478.88	3,521.00	3,003.88	33.87	105.48	162.66	7,221.90	-8.75	8,953.50	8,852.16	101.34	88.355		
4,100.00	3,517.49	3,521.00	3,003.88	34.47	105.48	162.66	7,221.90	-8.75	8,986.55	8,884.92	101.63	88.424		

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SU 11 Pad - SU 11D1 - OH - Plan #2													Offset Site Error:	0.00 ft
Survey Program: D-SDI MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	500.00	-17.00	0.00	1.01	-1.48	7,182.57	-187.35	7,185.03	7,184.02	1.01	7,103.713	CC, ES	
50.00	50.00	500.00	-17.00	0.06	1.01	-1.49	7,182.57	-187.35	7,185.32	7,184.26	1.07	6,730.107		
100.00	100.00	539.64	22.64	0.11	1.10	-1.50	7,182.78	-187.53	7,185.64	7,184.43	1.21	5,929.224		
150.00	150.00	556.58	39.58	0.22	1.14	-1.50	7,182.99	-187.72	7,186.29	7,184.93	1.36	5,276.640		
200.00	200.00	600.00	82.98	0.34	1.23	-1.50	7,183.90	-188.49	7,187.32	7,185.75	1.57	4,575.837		
250.00	250.00	600.00	82.98	0.45	1.23	-1.50	7,183.90	-188.49	7,188.31	7,186.63	1.68	4,270.888		
300.00	300.00	600.00	82.98	0.56	1.23	-1.50	7,183.90	-188.49	7,189.64	7,187.85	1.80	4,004.307		
350.00	350.00	600.00	82.98	0.67	1.23	-1.50	7,183.90	-188.49	7,191.33	7,189.42	1.91	3,789.314		
400.00	400.00	641.19	124.13	0.79	1.33	-1.51	7,185.22	-189.61	7,193.01	7,190.90	2.11	3,405.614		
450.00	450.00	658.08	141.00	0.90	1.36	-1.52	7,185.89	-190.18	7,195.04	7,192.78	2.26	3,180.867		
500.00	500.00	700.00	182.84	1.01	1.46	-1.53	7,187.88	-191.98	7,197.43	7,194.98	2.47	2,916.607		
550.00	550.00	700.00	182.84	1.11	1.46	162.39	7,187.88	-191.88	7,200.33	7,197.75	2.57	2,799.003		
600.00	599.97	700.00	182.84	1.21	1.46	162.36	7,187.88	-191.88	7,204.81	7,201.93	2.68	2,688.552		
650.00	649.89	700.00	182.84	1.30	1.46	162.31	7,187.88	-191.88	7,210.26	7,207.48	2.78	2,589.098		
700.00	699.75	742.16	224.87	1.40	1.56	162.25	7,190.35	-193.99	7,216.92	7,213.93	2.99	2,414.000		
750.00	749.50	758.80	241.44	1.51	1.60	162.19	7,191.46	-194.93	7,224.97	7,221.83	3.15	2,296.879		
800.00	799.14	800.00	282.45	1.62	1.70	162.11	7,194.52	-197.53	7,234.39	7,231.03	3.38	2,154.591		
850.00	848.64	800.00	282.45	1.76	1.70	162.02	7,194.52	-197.53	7,244.81	7,241.32	3.49	2,077.688		
900.00	897.97	800.00	282.45	1.89	1.70	161.93	7,194.52	-197.53	7,256.57	7,252.95	3.62	2,006.573		
950.00	947.11	800.00	282.45	2.06	1.70	161.83	7,194.52	-197.53	7,269.66	7,265.90	3.78	1,935.472		
1,000.00	996.04	840.45	322.65	2.22	1.80	161.71	7,197.95	-200.46	7,283.72	7,279.73	3.99	1,826.542		
1,050.00	1,044.74	856.39	338.47	2.42	1.84	161.58	7,199.42	-201.71	7,299.11	7,294.93	4.17	1,749.330		
1,100.00	1,093.17	900.00	381.70	2.62	1.96	161.44	7,203.70	-205.43	7,315.84	7,311.42	4.42	1,656.874		
1,150.00	1,141.32	900.00	381.70	2.88	1.96	161.29	7,203.76	-205.43	7,333.45	7,328.88	4.57	1,602.975		
1,200.00	1,189.17	900.00	381.70	3.19	1.96	161.12	7,203.79	-205.43	7,352.32	7,347.59	4.74	1,552.527		
1,250.00	1,236.69	900.00	381.70	3.38	1.96	160.95	7,203.79	-205.43	7,372.43	7,367.52	4.91	1,501.949		
1,300.00	1,283.85	933.52	414.88	3.65	2.06	160.76	7,207.49	-208.98	7,393.53	7,388.38	5.15	1,434.825		
1,350.00	1,330.65	948.36	429.53	3.97	2.10	160.56	7,209.22	-210.06	7,415.81	7,410.45	5.37	1,381.366		
1,400.00	1,377.05	982.98	443.97	4.28	2.15	160.34	7,210.99	-211.56	7,438.19	7,433.61	5.58	1,332.375		
1,450.00	1,423.03	1,000.00	480.47	4.64	2.26	160.11	7,215.70	-215.57	7,463.74	7,457.89	5.85	1,275.034		
1,500.00	1,468.57	1,000.00	480.47	5.00	2.26	159.86	7,215.70	-215.57	7,489.16	7,483.11	6.05	1,236.971		
1,550.00	1,513.65	1,000.00	480.47	5.39	2.26	159.59	7,215.70	-215.57	7,515.70	7,509.43	6.27	1,198.453		
1,600.00	1,558.25	1,000.00	480.47	5.78	2.26	159.30	7,215.70	-215.57	7,543.33	7,536.84	6.49	1,162.252		
1,650.00	1,602.35	1,000.00	480.47	6.22	2.26	158.98	7,215.70	-215.57	7,572.03	7,565.30	6.73	1,125.714		
1,700.00	1,645.92	1,045.71	525.42	6.65	2.41	158.68	7,222.02	-220.95	7,601.35	7,594.31	7.04	1,079.237		
1,750.00	1,688.94	1,058.59	538.06	7.11	2.46	158.34	7,223.90	-222.55	7,631.84	7,624.52	7.32	1,042.804		
1,800.00	1,731.40	1,100.00	578.82	7.58	2.60	157.99	7,230.23	-227.95	7,663.43	7,655.79	7.64	1,002.961		
1,850.00	1,773.27	1,100.00	578.82	8.08	2.60	157.59	7,230.23	-227.95	7,695.65	7,687.74	7.91	972.315		
1,900.00	1,814.54	1,100.00	578.82	8.59	2.60	157.17	7,230.23	-227.95	7,728.82	7,720.63	8.19	943.248		
1,950.00	1,855.18	1,100.00	578.82	9.12	2.60	156.71	7,230.23	-227.95	7,762.91	7,754.42	8.49	913.869		
2,000.00	1,895.18	1,100.00	578.82	9.66	2.60	156.22	7,230.23	-227.95	7,797.90	7,789.10	8.80	885.924		
2,050.00	1,934.51	1,100.00	578.82	10.22	2.60	155.70	7,230.23	-227.95	7,833.75	7,824.61	9.13	857.882		
2,100.00	1,973.23	1,140.68	618.35	10.79	2.76	155.44	7,236.88	-233.61	7,870.04	7,860.53	9.51	827.838		
2,150.00	2,011.83	1,151.43	628.83	11.38	2.80	155.46	7,238.71	-235.17	7,908.71	7,896.88	9.83	804.322		
2,200.00	2,050.44	1,162.11	639.23	11.96	2.84	155.47	7,240.56	-236.75	7,943.49	7,933.33	10.15	782.277		
2,250.00	2,089.05	1,200.00	676.06	12.54	2.99	155.52	7,247.35	-242.53	7,980.51	7,970.00	10.52	758.869		
2,300.00	2,127.65	1,200.00	676.06	13.12	2.99	155.52	7,247.35	-242.53	8,017.39	8,006.56	10.83	740.247		
2,350.00	2,166.26	1,200.00	676.06	13.71	2.99	155.52	7,247.35	-242.53	8,054.42	8,043.27	11.15	722.496		
2,400.00	2,204.87	1,200.00	676.06	14.30	2.99	155.52	7,247.35	-242.53	8,091.58	8,080.11	11.47	705.719		
2,450.00	2,243.47	1,200.00	676.06	14.89	2.99	155.52	7,247.35	-242.53	8,128.88	8,117.09	11.79	689.719		
2,500.00	2,282.08	1,200.00	676.06	15.47	2.99	155.52	7,247.35	-242.53	8,166.32	8,154.21	12.11	674.562		
2,550.00	2,320.69	1,235.19	710.15	16.06	3.15	155.56	7,253.99	-246.19	8,203.64	8,191.17	12.48	657.496		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SU 11 Pad - SU 11D1 - OH - Plan #2													Offset Site Error:	0.00 ft
Survey Program: 0-SDI MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (ft)	+E-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,800.00	2,358.29	1,245.39	720.01	16.65	3.19	155.57	7,255.98	-249.88	8,241.19	8,228.37	12.81	843.168		
2,850.00	2,397.90	1,255.54	729.81	17.24	3.24	155.58	7,257.98	-251.58	8,278.82	8,265.87	13.15	829.510		
2,700.00	2,436.51	1,300.00	772.64	17.83	3.44	155.63	7,267.05	-259.31	8,316.77	8,303.24	13.54	814.382		
2,750.00	2,475.11	1,300.00	772.64	18.42	3.44	155.63	7,267.05	-259.31	8,354.47	8,340.81	13.88	802.703		
2,800.00	2,513.72	1,300.00	772.64	19.02	3.44	155.63	7,267.05	-259.31	8,392.30	8,378.11	14.19	591.563		
2,850.00	2,552.33	1,300.00	772.64	19.61	3.44	155.63	7,267.05	-259.31	8,430.25	8,415.74	14.51	580.885		
2,900.00	2,590.93	1,300.00	772.64	20.20	3.44	155.63	7,267.05	-259.31	8,468.33	8,453.49	14.84	570.682		
2,950.00	2,629.54	1,300.00	772.64	20.79	3.44	155.63	7,267.05	-259.31	8,506.53	8,491.37	15.17	560.891		
3,000.00	2,668.15	1,300.00	772.64	21.39	3.44	155.63	7,267.05	-259.31	8,544.86	8,529.38	15.49	551.519		
3,050.00	2,706.75	1,300.00	772.64	21.98	3.44	155.63	7,267.05	-259.31	8,583.30	8,567.48	15.82	542.514		
3,100.00	2,745.36	1,344.19	815.02	22.57	3.66	155.67	7,276.58	-267.42	8,621.49	8,605.27	16.22	531.621		
3,150.00	2,783.97	1,353.75	824.17	23.17	3.71	155.68	7,278.70	-269.23	8,659.99	8,643.43	16.56	522.924		
3,200.00	2,822.57	1,363.26	833.25	23.76	3.76	155.68	7,280.84	-271.05	8,698.57	8,681.57	16.90	514.586		
3,250.00	2,861.18	1,400.00	868.27	24.35	3.95	155.71	7,289.31	-278.27	8,737.38	8,720.09	17.29	505.339		
3,300.00	2,899.79	1,400.00	868.27	24.95	3.95	155.71	7,289.31	-278.27	8,776.04	8,758.42	17.62	498.097		
3,350.00	2,938.39	1,400.00	868.27	25.54	3.95	155.71	7,289.31	-278.27	8,814.82	8,796.87	17.95	491.113		
3,400.00	2,977.00	1,400.00	868.27	26.14	3.95	155.71	7,289.31	-278.27	8,853.71	8,835.43	18.28	484.386		
3,450.00	3,015.61	1,400.00	868.27	26.73	3.95	155.71	7,289.31	-278.27	8,892.71	8,874.10	18.61	477.892		
3,500.00	3,054.21	1,400.00	868.27	27.33	3.95	155.71	7,289.31	-278.27	8,931.82	8,912.88	18.94	471.626		
3,550.00	3,092.82	1,400.00	868.27	27.92	3.95	155.71	7,289.31	-278.27	8,971.04	8,951.77	19.27	465.575		
3,600.00	3,131.43	1,437.33	903.70	28.52	4.17	155.74	7,288.27	-285.90	9,010.10	8,990.43	19.66	458.204		
3,650.00	3,170.03	1,446.35	912.23	29.11	4.22	155.74	7,300.49	-287.79	9,049.39	9,029.38	20.01	452.235		
3,700.00	3,208.64	1,455.31	920.70	29.71	4.27	155.75	7,302.71	-289.66	9,088.75	9,068.39	20.36	446.474		
3,750.00	3,247.25	1,464.22	929.12	30.30	4.32	155.75	7,304.94	-291.58	9,128.19	9,107.48	20.70	440.906		
3,800.00	3,285.85	1,500.00	962.82	30.90	4.53	155.77	7,314.10	-299.38	9,167.83	9,146.74	21.10	434.553		
3,850.00	3,324.46	1,500.00	962.82	31.49	4.53	155.77	7,314.10	-299.38	9,207.34	9,185.91	21.43	429.681		
3,900.00	3,363.07	1,500.00	962.82	32.09	4.53	155.77	7,314.10	-299.38	9,246.95	9,225.19	21.78	424.982		
3,950.00	3,401.67	1,500.00	962.82	32.68	4.53	155.77	7,314.10	-299.38	9,286.66	9,264.57	22.09	420.384		
4,000.00	3,440.28	1,500.00	962.82	33.28	4.53	155.77	7,314.10	-299.38	9,326.47	9,304.05	22.42	415.945		
4,050.00	3,478.88	1,500.00	962.82	33.87	4.53	155.77	7,314.10	-299.38	9,366.38	9,343.82	22.75	411.636		
4,100.00	3,517.49	1,500.00	962.82	34.47	4.53	155.77	7,314.10	-299.38	9,406.38	9,383.29	23.09	407.454 SF		

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design SU 11 Pad - SU 19D1 - OH - Plan #1											Offset Site Error: 0.00 ft		
Survey Program: 0-SDI MWD											Offset Well Error: 0.00 ft		
Reference		Offset		Semi Major Axis			Distance				Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (ft)	+E-W (ft)	Between Centres (ft)	Between Ellipses (ft)		Minimum Separation (ft)	Separation Factor
0.00	0.00	824.70	306.61	0.00	1.73	-1.78	7,178.96	-222.76	7,188.66	7,186.92	1.73	4,144.174	
50.00	50.00	1,673.67	1,108.04	0.06	6.72	-3.86	7,089.55	-478.74	7,163.74	7,176.96	6.78	1,060.307	
100.00	100.00	2,169.67	1,509.01	0.11	12.54	-6.12	6,994.90	-750.62	7,174.78	7,162.13	12.65	567.332	
150.00	150.00	2,207.30	1,537.02	0.22	13.06	-6.32	6,986.75	-774.06	7,165.03	7,151.75	13.28	539.874	
200.00	200.00	2,244.73	1,565.04	0.34	13.59	-6.52	6,978.59	-797.90	7,155.42	7,141.51	13.91	514.463	
250.00	250.00	2,282.16	1,593.06	0.45	14.11	-6.72	6,970.43	-820.94	7,145.95	7,131.41	14.54	491.460	
300.00	300.00	2,319.59	1,621.08	0.56	14.63	-6.91	6,962.27	-844.37	7,136.62	7,121.45	15.17	470.343	
350.00	350.00	2,357.02	1,649.10	0.67	15.16	-7.11	6,954.11	-867.81	7,127.44	7,111.63	15.81	450.894	
400.00	400.00	2,394.45	1,677.11	0.79	15.68	-7.31	6,945.95	-891.25	7,118.40	7,101.96	16.44	432.962	
450.00	450.00	2,431.88	1,705.13	0.90	16.21	-7.51	6,937.79	-914.69	7,109.50	7,092.42	17.08	416.332	
500.00	500.00	2,469.30	1,733.15	1.01	16.74	-7.71	6,929.63	-938.12	7,100.74	7,083.03	17.71	400.904	
550.00	550.00	2,506.94	1,761.32	1.11	17.27	-156.11	6,921.43	-961.69	7,092.52	7,072.50	20.12	352.457	
600.00	599.97	2,544.97	1,789.79	1.21	17.81	-155.99	6,913.14	-985.51	7,085.63	7,064.80	20.84	340.042	
650.00	649.89	2,583.39	1,818.55	1.30	18.35	-155.85	6,904.76	-1,009.56	7,078.77	7,058.22	21.55	328.579	
700.00	699.75	2,622.17	1,847.58	1.40	18.90	-155.70	6,896.31	-1,033.85	7,075.04	7,052.78	22.26	317.891	
750.00	749.50	2,661.29	1,876.87	1.51	19.45	-155.54	6,887.78	-1,058.34	7,071.43	7,048.46	22.97	307.810	
800.00	799.14	2,700.74	1,906.40	1.62	20.01	-155.37	6,879.18	-1,083.05	7,068.95	7,045.26	23.69	298.421	
850.00	848.64	2,740.50	1,936.16	1.76	20.58	-155.19	6,870.52	-1,107.94	7,067.59	7,043.18	24.41	289.546	
895.81	883.99	2,769.15	1,957.60	1.85	20.99	-155.05	6,864.27	-1,125.88	7,067.30	7,042.38	24.92	283.579	CC
900.00	897.97	2,780.54	1,966.13	1.89	21.15	-155.00	6,861.79	-1,133.02	7,067.35	7,042.22	25.12	281.292	ES
950.00	947.11	2,820.86	1,996.31	2.08	21.72	-154.79	6,853.00	-1,158.26	7,068.22	7,042.38	25.84	273.487	
1,000.00	996.04	2,861.42	2,026.88	2.22	22.30	-154.58	6,844.16	-1,183.67	7,070.20	7,043.64	26.56	266.196	
1,050.00	1,044.74	2,902.22	2,057.22	2.42	22.88	-154.36	6,835.27	-1,209.21	7,072.28	7,046.01	27.28	259.296	
1,100.00	1,093.17	2,943.22	2,087.91	2.62	23.47	-154.12	6,826.33	-1,234.89	7,077.46	7,049.47	27.99	252.855	
1,150.00	1,141.32	2,984.42	2,118.75	2.86	24.05	-153.88	6,817.35	-1,260.69	7,082.73	7,054.03	28.71	246.741	
1,200.00	1,189.17	3,025.79	2,149.72	3.10	24.64	-153.62	6,808.33	-1,286.59	7,089.06	7,059.67	29.41	241.032	
1,250.00	1,236.69	3,067.32	2,180.81	3.38	25.24	-153.35	6,799.28	-1,312.60	7,096.50	7,066.38	30.12	235.599	
1,300.00	1,283.85	3,108.97	2,211.99	3.65	25.83	-153.07	6,790.20	-1,338.68	7,104.96	7,074.16	30.82	230.528	
1,350.00	1,330.65	3,150.74	2,243.26	3.97	26.43	-152.78	6,781.09	-1,364.84	7,114.51	7,082.99	31.52	225.689	
1,400.00	1,377.05	3,192.80	2,274.59	4.29	27.03	-152.48	6,771.97	-1,391.05	7,125.09	7,092.87	32.21	221.173	
1,450.00	1,423.03	3,234.54	2,305.99	4.64	27.63	-152.17	6,762.82	-1,417.31	7,136.69	7,103.78	32.91	216.855	
1,500.00	1,468.57	3,276.53	2,337.42	5.00	28.23	-151.84	6,753.67	-1,443.60	7,149.32	7,115.73	33.59	212.828	
1,550.00	1,513.65	3,318.55	2,368.87	5.39	28.83	-151.50	6,744.51	-1,469.92	7,162.95	7,128.67	34.28	208.967	
1,600.00	1,558.25	3,360.59	2,400.34	5.78	29.43	-151.15	6,735.35	-1,496.24	7,177.57	7,142.62	34.95	205.385	
1,650.00	1,602.35	3,402.62	2,431.80	6.22	30.03	-150.79	6,726.19	-1,522.56	7,193.16	7,157.55	35.63	201.910	
1,700.00	1,645.92	3,444.62	2,463.24	6.65	30.64	-150.41	6,717.03	-1,548.88	7,209.75	7,173.47	36.29	198.687	
1,750.00	1,688.94	3,486.57	2,494.65	7.11	31.24	-150.02	6,707.88	-1,575.13	7,227.28	7,190.33	36.95	195.588	
1,800.00	1,731.40	3,528.46	2,526.01	7.58	31.84	-149.62	6,698.75	-1,601.36	7,245.75	7,208.14	37.60	192.698	
1,850.00	1,773.27	3,570.26	2,557.30	8.08	32.44	-149.20	6,689.64	-1,627.54	7,265.14	7,226.88	38.25	189.914	
1,900.00	1,814.54	3,611.96	2,588.51	8.59	33.03	-148.76	6,680.55	-1,653.65	7,285.44	7,246.55	38.89	187.318	
1,950.00	1,855.18	3,653.53	2,619.83	9.12	33.63	-148.32	6,671.49	-1,679.68	7,306.63	7,267.10	39.54	184.812	
2,000.00	1,895.18	3,694.95	2,650.84	9.66	34.22	-147.85	6,662.46	-1,705.62	7,328.71	7,288.55	40.16	182.475	
2,050.00	1,934.51	3,736.21	2,681.52	10.22	34.82	-147.37	6,653.47	-1,731.45	7,351.65	7,310.86	40.79	180.221	
2,100.00	1,973.23	3,777.30	2,712.28	10.79	35.41	-147.04	6,644.51	-1,757.18	7,375.36	7,333.80	41.56	177.484	
2,150.00	2,011.83	3,818.36	2,743.02	11.38	36.00	-146.91	6,635.56	-1,782.89	7,399.23	7,356.72	42.51	174.066	
2,200.00	2,050.44	3,859.42	2,773.75	11.96	36.58	-146.78	6,626.61	-1,808.61	7,423.13	7,379.67	43.46	170.790	
2,250.00	2,089.05	3,900.48	2,804.49	12.54	37.17	-146.65	6,617.66	-1,834.32	7,447.07	7,402.64	44.42	167.635	
2,300.00	2,127.65	3,941.54	2,835.23	13.12	37.76	-146.53	6,608.71	-1,860.03	7,471.04	7,425.65	45.39	164.607	
2,350.00	2,166.26	3,982.60	2,865.96	13.71	38.35	-146.40	6,599.76	-1,885.74	7,495.04	7,448.68	46.35	161.691	
2,400.00	2,204.87	4,023.66	2,896.70	14.30	38.94	-146.27	6,590.81	-1,911.45	7,518.07	7,471.75	47.32	158.887	
2,450.00	2,243.47	4,064.72	2,927.43	14.89	39.53	-146.15	6,581.86	-1,937.16	7,543.13	7,494.84	48.30	156.184	
2,500.00	2,282.08	4,105.78	2,958.17	15.47	40.12	-146.03	6,572.91	-1,962.87	7,567.23	7,517.96	49.27	153.584	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

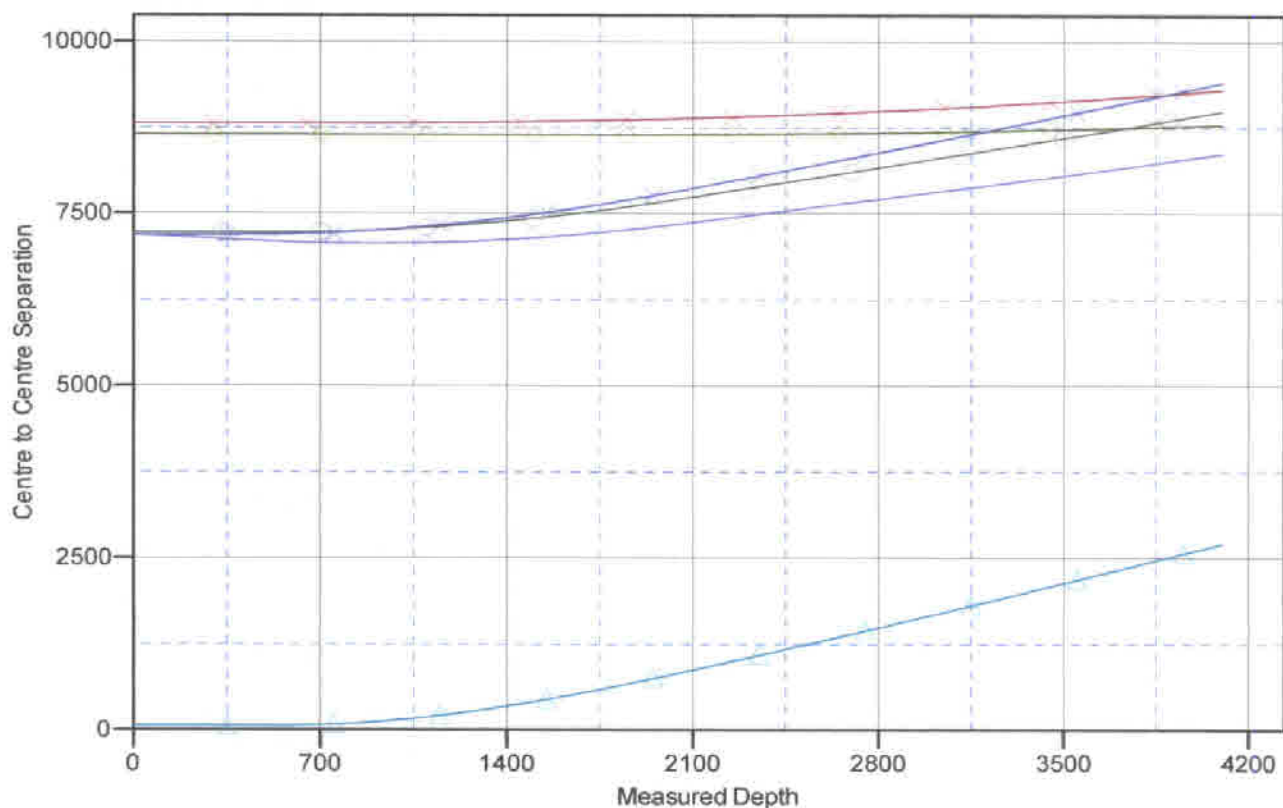
Offset Design SU 11 Pad - SU 19D1 - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-SDI MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (ft)	+E-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,550.00	2,320.69	4,146.84	2,988.91	16.06	40.71	145.90	6,563.96	-1,988.59	7,591.35	7,541.10	50.25	151.074		
2,600.00	2,369.29	4,187.90	3,019.64	16.65	41.30	145.79	6,555.01	-2,014.30	7,615.51	7,564.28	51.23	148.656		
2,650.00	2,397.90	4,228.95	3,050.38	17.24	41.89	145.66	6,546.06	-2,040.01	7,639.69	7,587.48	52.21	146.322		
2,700.00	2,436.51	4,270.02	3,081.12	17.83	42.48	145.54	6,537.11	-2,065.72	7,663.91	7,610.71	53.20	144.069		
2,750.00	2,475.11	4,311.08	3,111.85	18.42	43.07	145.42	6,528.16	-2,091.43	7,688.16	7,633.97	54.18	141.893		
2,800.00	2,513.72	4,352.13	3,142.59	19.02	43.66	145.30	6,519.21	-2,117.14	7,712.43	7,657.26	55.17	139.790		
2,850.00	2,552.33	4,393.19	3,173.33	19.61	44.25	145.18	6,510.25	-2,142.85	7,736.73	7,680.57	56.16	137.757		
2,900.00	2,590.93	4,434.25	3,204.06	20.20	44.84	145.06	6,501.30	-2,168.57	7,761.07	7,703.91	57.15	135.790		
2,950.00	2,629.54	4,475.31	3,234.80	20.79	45.43	144.94	6,492.35	-2,194.28	7,785.43	7,727.28	58.15	133.867		
3,000.00	2,668.15	4,516.37	3,265.53	21.39	46.02	144.82	6,483.40	-2,219.99	7,809.82	7,750.67	59.15	132.044		
3,050.00	2,706.75	4,557.43	3,296.27	21.98	46.61	144.71	6,474.45	-2,245.70	7,834.24	7,774.09	60.14	130.259		
3,100.00	2,745.36	4,598.49	3,327.01	22.57	47.20	144.59	6,465.50	-2,271.41	7,858.66	7,797.54	61.14	128.530		
3,150.00	2,783.97	4,639.55	3,357.74	23.17	47.79	144.48	6,456.55	-2,297.12	7,883.16	7,821.01	62.14	126.853		
3,200.00	2,822.57	4,680.61	3,388.48	23.76	48.39	144.36	6,447.60	-2,322.83	7,907.65	7,844.51	63.15	125.227		
3,250.00	2,861.18	4,721.67	3,419.22	24.35	48.98	144.25	6,438.65	-2,348.55	7,932.16	7,868.03	64.15	123.648		
3,300.00	2,899.79	4,762.73	3,449.95	24.95	49.57	144.13	6,429.70	-2,374.26	7,956.73	7,891.58	65.16	122.117		
3,350.00	2,938.39	4,769.48	3,455.00	25.54	49.66	144.11	6,428.23	-2,378.48	7,981.39	7,915.74	65.65	121.575		
3,400.00	2,977.00	4,769.48	3,455.00	26.14	49.66	144.11	6,428.23	-2,378.48	8,006.27	7,940.23	66.04	121.230		
3,450.00	3,015.61	4,769.48	3,455.00	26.73	49.66	144.11	6,428.23	-2,378.48	8,031.40	7,964.96	66.43	120.893		
3,500.00	3,054.21	4,769.48	3,455.00	27.33	49.66	144.11	6,428.23	-2,378.48	8,056.75	7,989.92	66.83	120.562		
3,550.00	3,092.82	4,769.48	3,455.00	27.92	49.66	144.11	6,428.23	-2,378.48	8,082.33	8,015.11	67.22	120.238		
3,600.00	3,131.43	4,769.48	3,455.00	28.52	49.66	144.11	6,428.23	-2,378.48	8,108.14	8,040.53	67.61	119.921		
3,650.00	3,170.03	4,769.48	3,455.00	29.11	49.66	144.11	6,428.23	-2,378.48	8,134.18	8,066.17	68.01	119.611		
3,700.00	3,208.64	4,769.48	3,455.00	29.71	49.66	144.11	6,428.23	-2,378.48	8,160.44	8,092.04	68.40	119.307		
3,750.00	3,247.25	4,769.48	3,455.00	30.30	49.66	144.11	6,428.23	-2,378.48	8,186.92	8,118.13	68.79	119.010		
3,800.00	3,285.85	4,769.48	3,455.00	30.90	49.66	144.11	6,428.23	-2,378.48	8,213.62	8,144.43	69.19	118.719		
3,850.00	3,324.46	4,769.48	3,455.00	31.49	49.66	144.11	6,428.23	-2,378.48	8,240.54	8,170.96	69.58	118.435		
3,900.00	3,363.07	4,769.48	3,455.00	32.09	49.66	144.11	6,428.23	-2,378.48	8,267.67	8,197.69	69.97	118.156		
3,950.00	3,401.67	4,769.48	3,455.00	32.68	49.66	144.11	6,428.23	-2,378.48	8,295.01	8,224.64	70.37	117.883		
4,000.00	3,440.28	4,769.48	3,455.00	33.28	49.66	144.11	6,428.23	-2,378.48	8,322.57	8,251.81	70.76	117.616		
4,050.00	3,478.88	4,769.48	3,455.00	33.87	49.66	144.11	6,428.23	-2,378.48	8,350.33	8,279.17	71.15	117.355		
4,100.00	3,517.49	4,769.48	3,455.00	34.47	49.66	144.11	6,428.23	-2,378.48	8,378.30	8,306.75	71.55	117.100 SF		

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Reference Depths are relative to GL 6688' @ 6688.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: SB 26D1
Coordinate System is US State Plane 1983, Colorado Southern Zone
Grid Convergence at Surface is: -1.42°

Ladder Plot



LEGEND

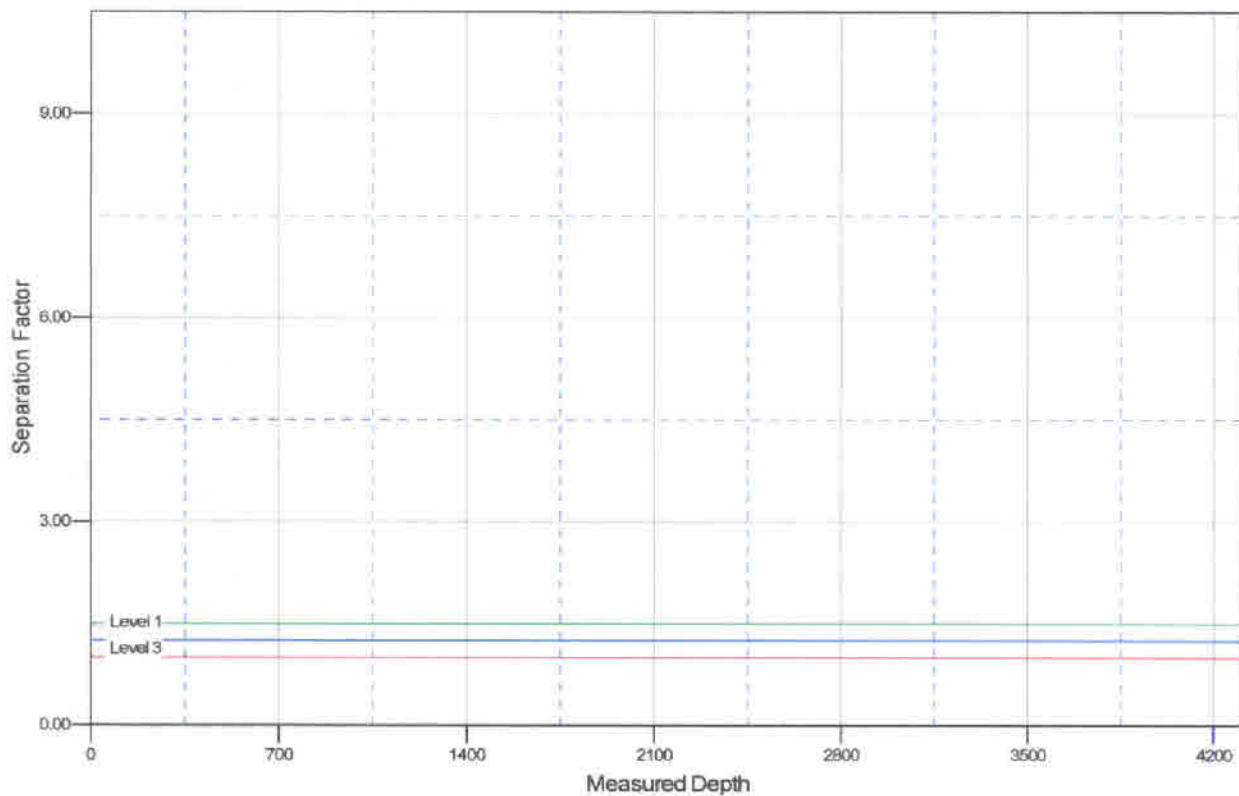
- SB 14D1, OH, Plan #1 V0
- SB 6D1, OH, Plan #1 V0
- SU 11D1, OH, Plan #2 V0
- SB 2, OH, OH V0
- SU 11, OH, OH V0
- SU 19D1, OH, Plan #1 V0

Company:	Brammer Engineering	Local Co-ordinate Reference:	Well SB 26D1
Project:	La Plata County, Colorado NAD27	TVD Reference:	GL 6688' @ 6688.00ft
Reference Site:	SB 21 Pad	MD Reference:	GL 6688' @ 6688.00ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SB 26D1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum







Reference Depths are relative to GL 6688' @ 6688.00ft.
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.5000000

Coordinates are relative to: SB 26D1
 Coordinate System is US State Plane 1983, Colorado Southern Zone
 Grid Convergence at Surface is: -1.42"

Separation Factor Plot



LEGEND

- | | | |
|---|--|---|
|  SB 14D1, OH, Plan #1 V0 |  SB 6D1, OH, Plan #1 V0 |  SU 11D1, OH, Plan #2 V0 |
|  SB 2, OH, OH V0 |  SU 11, OH, OH V0 |  SU 19D1, OH, Plan #1 V0 |