

SHEETHEAD #1-36 WELL
SW SW Section 36-9N-100W
Moffat County, Colorado

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AUG 14 1984

COLO. OIL & GAS CONS. COM. 111



00273387

BEST IMAGE
AVAILABLE

WRS
FJP
HHM
JAM
RCC
LAR
CGM
ED

5/7/84 Day -1. Completed loc construction & commenced rig move 6/6/84.

5/8/84 Day -2. Cont MI RU.

5/9-11 600 Day-2 (516') - Pmp & spt LCM pill. (20" @ 84' KB)
MW: 8.9# Vis: 45 Pv/Yp: 15/4
Fin MI RU CRC #88 & fill tks & mix mud. SPUD well 1300 hrs 6/9/84. KB is 15' above GL & GL @ 6550'. Drld 17-1/2" hole to 530' & lost total returns. Mix & spt 50 bbls LCM pill. Drld to 542' w/o returns & having to POH w/2 stds DP & bld vol twice. TFB #2. Max & spt 150 bbl LCM pill w/o returns. POH 2 stds & bld vol. Drld to 600' w/o returns & having to bld vol. Pmp & spt 500 bbl LCM pill w/o returns w/FL @ 40'. Survey: 1/4° @ 85', 178', 300', 425'.

5/12/84 612 (corr'd) Day-3 (0') - WOC on Top Job #1. (13-3/8" @ 612')
MW: 8.9# Vis: 54 Pv/Yp: 15/4
Eld mud vol. TIH to TD. Pmp 300 BM w/no returns. POH 3 stds. Bld vol. TIH to TD & pmp another 300 BM w/no returns. Drop survey & POH. Ran 16 jts 13-3/8", 68#, K-55, BTC csg. Landed @ 612' KB. Western cmtd w/290 sx Pacesetter Lite & 350 sx Cl "H" w/add. No returns at anytime. 200 psi hydrostatic differential. WOC. Run 1" pipe dn ann to 140'. Pmp 200 sx Cl "H". No returns. Survey: 1/2° @ 612'.

5/13/84 612 Day-4 (0') - NU BOPE. (13-3/8" @ 612')
Mud pits clnd out.
WOC & cut off cond & csg. Dmp 5 yds gravel dn ann & pmp 50 sx Cl "H" cmt w/2% CaCl₂ dn ann w/cmt returns to surf. WOC w/20' fallback & fill save w/gravel. Weld on 13-3/8" x 13-5/8" 2000 psi csghd. NU 13-5/8" (2000 psi) x 13-5/8" (3000 psi) Dole Stud Adapter, 13-5/8" (3000 psi) x 13-5/8" (5000 psi) drlg spool, and 13-5/8" (5000 psi) ann preventer, Grant rot. hd & bld flw line to gas buster.

5/14/84 722 Day-5 (110') - TOH f/DST #1. (13-3/8" @ 612')
MW: 8.5# Vis: 27 Pv/Yp: 1/0 (earated lime mud)
NU BOPE & gas buster. TIH w/ 12-1/4" bit & BHA. Press tst Hydril & csg to 1000 psi. Drld out cmt & GS. Drld into new fm & lost returns. Strt earating mud w/1600 cfm. Drld to PD w/full returns. Circ spls @ PD. TOH to PU DST tools.

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- 6/15 732 Day 6 (10') - TOH w/CB #1 (13-3/8" @ 612')
Gel & lime wtr.
TIH & ran DST #1 w/RTTS set @ 590' (13-3/8" csg) @ 15-30-60-60 mins. No
fld recovery. Filled annulus prior to tst & went vac when rel'd pkr after
tst. No fm integrity to hold any fld hydrostatic press. TIH w/ 3-3/4" ccr
hd & cored 10'. POH w/CB.
- 6/16- 1529 Day-9 (857') - Drlg (13-3/8" @ 612')
18/84 MW: 8.7 Vis: 34 PV/Yp: 7/4
POH w/CB & no recovery. TIH w/B#5, drld ahead to 1421' w/aerated mud &
lost complete returns. Unsuccessfully attempted to regain circ increasing
air volumes, mix & prep LCM pills twice. Drld ahead to PD w/intermittent
loss of returns. Surveys: 1-1/2° @ 743', 2° @ 863', 3° @ 991', 2-3/4° @
1071' & 1123', 2-1/2° @ 1268', 1-3/4° @ 1359' & 1489'.
- 7/19/84 1754 Day-10 (165') - Drlg (13-3/8" @ 612')
MW: 8.7 Vis: 35 PV/Yp: 7/9 (aerated mud)
Drld & surv to 1706'. TFB. Drld 12-1/4" hole to PD w/intermittent lost
returns. Survey: 2° @ 1606'.
- 8/20/84 1794 Day-11 (40') - Drlg (13-3/8" @ 612')
MW: 8.8# Vis: 41 Pv/Yp: 11/7
Drld 12-1/4" hole to PD w/partial returns to no returns. Having to POH w/2
stds DP & build volume in mud system twice.
- 8/21/84 1958 Day-12 (164') - Drlg (13-3/8" @ 612')
MW: 8.6# Vis: 42 Pv/Yp: 9/9
Drld 12-1/4" hole to PD w/partial returns to no returns. Tight hole @
1918' & 1939'. Lost 800 BM in last 24 hrs. Survey: 1-3/4° @ 1759'.
- 8/22/84 2065 Day-13 (107') - Wsh out bridge @ 1721' (13-3/8" @ 612')
MW: 8.6# Vis: 38 Pv/Yp: 9/7 w/1500 SCFM air
Drld 12-1/4" hole to PD w/intermittent lost returns. Circ to log. POH. RU
Schl & ran LDT. Ran Dipmeter & hit bridge @ 1385'. PD Schl & RIH to WD
bridges. Fluid level @ ≈900' per Schl.

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6/23-25 2065

Day-16 (0') - Drlg out DV tool. (9-5/8" @ 2059')
MW: 8.5# Vis: 36 Pv/Yp: N/A
Wsh & rm 12-1/4" hole to btm. Circ & cond hole w/intermittant returns.
TOH. RU Schl & ran Dipmeter (WLTD @ 2054'). RD Schl. RU & ran 47 jts
9-5/8", 36#, K-55, STC csg landed @ 2059'. Circ & cond hole. RU Western &
cmtd 1st stage w/1145 sx Cl "H" w/12% Thixad & add foll'd by 100 sx Cl "H"
w/add. Expd plug w/1000 psi w/intermittent returns. Dropped bomb & cond DV
tool @ 864'. Circ thru DV. Cmtd 2nd stage w/500 sx Cl "H" w/12% Hixad &
add. CIP @ 1400 hrs 6/24/84. WOC. Mix & spt 50 sx Cl "H" w/12% Thixad dn
9-5/8" x 13-3/8" ann - w/no fill to surf. Cut off 9-5/8" & 13-3/8" csg. ND
BOPE. Fill ann w/1 yd gravel. Weld on 9-5/8", 3M# csgnd. NU BOPE & gas
buster. Press tst BOPE - OK. LD seven (7) 8" DCs & PU four (4) 7" DCs. TIH
w/B#7. Tagged DV tool @ 866' KB. Slip & cut drlg line & drld on DV tool.

6/26/84 2390

Day-17 (325') - Drlg. (9-5/8" @ 2059')
MW: 8.5# Vis: 43 Pv/Yp: 8/19
Drld out DV tool & TIH to TOC @ 1987'. Press tst csg to 3000 psi - OK.
Drld out cmt & FS. Drld fm to 2038' & began losing returns. Attempt
leak-off tst w/EMW of 9.0 ppg. TFB #8 & drld 8-3/4" hole w/aerated mud to
PD. Survey: 2° @ 2143', 2232' & 2324'.

6/27/84 2745

Day-19 (355') - Drlg. (9-5/8" @ 2059')
MW: 8.7# Vis: 40 Pv/Yp: 12/7
Drld 8-3/4" hole to 2582' w/sli aerated mud (450-500 cfm). Made TFB. Drld
ahead to PD w/o air, gd returns. Surveys: 1-3/4° @ 2450', 2-1/2° @ 2570',
2633' & 2695'.

6/28/84 3132

Day-19 (387') - Lost circ & pmp aerated mud & WD ret. (9-5/8" @ 2059')
MW: 8.5# Vis: 40 Pv/Yp: 9/10
Drld w/gd returns w/o air to 2952'. Lost returns & drld a/aerated mud to
3132' w/o reurns. Pmp 1200 BF dn w/600-900 CFM air & hole strt'd to
unload. Pmp add'l 400 BF w/600-800 CFM air, hole strt'd to unload & then
lost ret w/600-700 CFM air. Surveys: 2° @ 2816', 1-3/4° @ 2938', 2° @
3091'.

6/29/84 3172

Day-20 (40') - Drlg w/o returns. (9-5/8" @ 2059')
MW: 8.5# Vis: 38 Pv/Yp: 8/10
Pmp aereated mud w/o returns w/600-700 CFM air. Hole strt'd to unload, then
lost returns. TFB #10. Pmp swivel packing. Fin RIH placing jet sub @
1452'. Hit bridge @ 3025' & mud thru same. Pmp aereated mud w/o returns
w/350-1000 CFM air. Drld 8-3/4" hole to PD w/o returns w/hole tite @
3238'. Lost 1600 BM in last 24 hrs.

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- 6/30-7/2 3417 Day-23 (245') - Circ & cond to LD DP. (9-5/8" @ 2059')
MW: 8.5# Vis: 39 Pv/Yp: 10/13
Drld 8-3/4" hole to 3177'. Pull into csg f/rig repair. POH. Cnk FL w/WL, FL @ 825'. TIH. Wsh & rm to btm w/aerated mud. POH to csg & repair dawks. TIH. Wsh & rm to btm & drld to PD. Circ. Sht trip to csg. RIH & wsh & rm to btm. POH. RU Schl & ran DIL/SF, BHC Sonic/Cal. TIH. Circ & cond w/aerated mud. Sht trip 15 std & wsh & rm to btm. Circ & cond.
- 7/3/84 3417 Day-24 (0') - Unload rental 3-1/2" DP. (7" @ 3413')
MW: 8.5# Vis: 39 Pv/Yp: 10/13
Circ & cond w/aerated mud. POH, LD DP & DC. Ran 88 jts (3437 LF) 7", 26# & 23#, L-80 & K-55 csg. Landed @ 3413'. Cmtd w/225 sx Cl "G" w/add. No incr in circ press or returns during cmtg. ND BOPs, hang & cut off 7" csg. NU csghd spool. Prep to PU 3-1/2" DP string.
- 7/4-5 3671 Day-26 (254') - Rng dir survey. (7" @ 3413')
MW: 8.5# Vis: 37 Pv/Yp: 10/6
Tst BOPE. Cng out hndlg tools f/ 3-1/2" DP string. PU 3-1/2" DP. TIH. Drld FC, cmt & 29' new fm. Make TFB @ 3446'. Drld 6-1/4" hole to PD w/TFB @ 3621'. Circ w/full returns since setting csg. Surveys: 2° @ 3091', 4° @ 3594', 4° @ 3661'.
- 7/6/84 3831 Day-27 (160') - Drlg. (7" @ 3413')
MW: 8.6# Vis: 39 Pv/Yp: 10/7
Drld 6-1/4" hole & surveyed to PD. Surveys: 4-3/4° @ 3724', 3755' & 3787', 4-1/2° @ 3817'.
- 7/7-9/84 4068 Day-30 (237') - Drlg. (7" @ 3413')
MW: 8.7 Vis: 39 Pv/Yp: 9/6
Drld 6-1/4" hole to 3884', made 8 std sht trip, circ & cond hole. POH. Schl ran Dipmeter/GR & velocity Cnk Shot. TIH w/E#14 & drld ahead to PD w/TFB #15 @ 4010'. Surveys: 3-3/4° @ 3849', 3-1/2° @ 3839', 3-3/4° @ 3921', 3951', 3982' & 4024', 3-1/2° @ 4055'.
- 7/10/84 4168 Day-31 (100') - TIH w/new bit. (7" @ 3413')
MW: 8.7 Vis: 43 Pv/Yp: 15/10
Drld 6-1/4" hole to PD. POH & cng bits. Surveys: 3-1/4° @ 4086', 3° @ 4117' & 4150'.
- 7/11/84 4283 Day-32 (120') - Drlg. (7" @ 3413')
MW: 8.6 Vis: 43 Pv/Yp: 16/9
Drld 6-1/4" hole to PD. Surveys: 2-3/4° @ 4180' & 4212', 2-1/2° @ 4275'.

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12/84 4397

Day-33 (109') - Drlg. (7" @ 3413')
MW: 8.7 Vis: 39 Pv/Yp: 12/6
Drl'd 6-1/4" hole & survey to PD w/TFB @ 4361'. Surveys: 2-1/4° @ 4307', 2° @ 4338' & 4365'.

13/84 4445

Day-34 (48') - Rng DST #2. (7" @ 3413')
MW: 8.7 Vis: 44 Pv/Yp: 17/8
Drl'd 8-3/4" hole to PD, circ smpls & survey. Cond hole. TOH & PU DST tools. RIH. Set pkrs & strt DST #2, 4382-4445'. Surveys: 1-3/4° @ 4397', 2° @ 4428'.

4-16 4782

Day-37 (337') - Surveying. (7" @ 3413')
MW: 8.7 Vis: 40 Pv/Yp: 13/6
Fin rng DST #2, 4382-4445' Unintah Mtn Group, @ 15-60-90-150 mins. IHP 1987, FHP 1981, IFP 85-159, FFP 159-348, ISIP 1382, FSIP 1692. Recorded BHT 102°F. DP recovery: 702' fld (65% wtr & 35% mud). Smp'l Chmbr recovery: 2050 cc wtr. No gas or oil shows. TIH w/B#18 & drld ahead to PD. Surveys: 1-3/4° @ 4460', 1-1/2° @ 4491', 1-3/4° @ 4523' & 4555', 1° @ 4615', 1-1/4° @ 4647', 2-1/4° @ 4709' & 4740'.

84 4397

Day-38 (115') - POH w/B#19. (7" @ 3413')
MW: 8.8# Vis: 41 Pv/Yp: 15/7
Drl'd to 4868' w/H2S alarm sounding @ 4868'. Circ hole w/no H2S detected by mud logger or hand detector. Drl'd 6-1/4" hole to PD. POH w/B#19. Surveys: 2-1/2° @ 4803' & 4834', 2-1/4° @ 4865'.

4 4971

Day-39 (74') - Drlg. (7" @ 3413')
MW: 8.8# Vis: 45 Pv/Yp: 17/9
Fin POH w/B#19 & inspected BHA. LD 1 DC w/swelled box. PU B#20 & BHA. Slip & cut drlg line and fin RIH. Drl'd 8-3/4" hole to PD. Survey: 2-1/4° @ 4959'.

5092

Day-40 (121') - Drlg. (7" @ 3413')
MW: 8.8# Vis: 46 Pv/Yp: 22/9
Drl'd 6-1/4" hole to PD w/TFB #21. Survey: 2-1/4° @ 5053'.

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7/20/84 5178

Day-41 (86') - Drlg. (7" @ 3413')
MW: 8.8# Vis: 46 Pv/Yp: 21/10
Drl'd 6-1/4" hole to PD w/TFB #22. Survey: 3-3/4° @ 5118'.

7/21-23 5432

Day-44 (254') - Drlg. (7" @ 3413')
MW: 8.8# Vis: 46 Pv/Yp: 18/8
Drl'd 6-1/4" hole to PD w/B#24. Had two TFB #23 & #24. Surveys: 3-3/4° @ 5211', 3-1/4° @ 5273', 3° @ 5366'.

7/24/84 5443

Day-45 (11') - Logging. (7" @ 3413')
MW: 8.8# Vis: 46 Pv/Yp: 18/8
Drl'd 6-1/4" hole to PD, made 33 std sht trip. Circ & cond hole & POH. Schl ran BHCS/GR/Calip & Dipmeter. Currently mg VSP survey.

7/25/84 5443

Day-46 PBD: Surf - RD rig. (7" @ 3413')
Fin mg VSP survey. RIH & LD DCs. RIH w/OE DP & spt'd plugs f/4960-4760', 3500-3300', 1800-1600' & 10 sx surf plug. Pumpd 135 sx into 7" x 9-5/8" annulus. ND BOPs.

7/26/84 5443

Day-47 FINAL REPORT - WELL P & A, 7/25/84. (7" @ 3413')
ND BOPs & set DH marker. Circ mud tks & RR 1200 hrs 7/25/84.