


 OF COLORADO  
 ISERVATION COMMISSION  
 OF NATURAL RESOURCES

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## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OPERATOR SNYDER OIL CORPORATION	PHONE (303) 592-8500	5. TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> OTHER	<input type="checkbox"/> DRY <input type="checkbox"/> COALBED METHANE
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ADDRESS 1625 Broadway, Suite 2200	2. DRILLING CONTRACTOR CAZA DRILLING	PHONE 303-292-1206	6. TYPE OF COMPLETION <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> RECOMPLETION (Date Started _____)	<input checked="" type="checkbox"/> COMMINGLED <input type="checkbox"/> MULT. COMPLETION
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3. LOCATION OF WELL (Footages from section lines)	4. ELEVATIONS	7. FEDERAL/INDIAN OR STATE LEASE NO.
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At surface 1980' FSL & 1930' FEL	8. IF INDIAN, ALLOTTEE OR TRIBE NAME
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At top prod. interval reported below SAME	9. WELL NAME AND NUMBER GURTLE 24-10J
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At total depth SAME	10. FIELD OR WILDCAT WATTENBERG CODELL/NIORRARA
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11. QTR. QTR. SEC. T. R. AND MERIDIAN NWSE SEC 24 T3N R65W
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12. PERMIT NO. 91-693	13. API NO. 05 123 15152	14. SPUD DATE 08/29/91	15. DATE TD REACHED 09/01/91	16. DATE COMPL. D&A 09/20/91	17. COUNTY WELD	18. STATE CO.
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19. TOTAL DEPTH MD 7197' TVD	20. PLUG BACK TOTAL DEPTH MD 7153' TVD	21. DEPTH BRIDGE PLUG SET MD TVD
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22. TYPE ELECTRIC & OTHER MECHANICAL LOGS RUN DIL/SFL-GR, FDC, CBL	(SUBMIT COPY OF EACH)	23. WAS WELL CORED? WAS DST RUN?	<input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> YES (Submit Analysis)
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24. CASING & LINER RECORD (Report all strings set in well)
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SIZE	WEIGHT (LB/FT)	HOLE SIZE	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	NUMBER OF SACKS & TYPE OF CEMENT	SLURRY VOL. (BBL)	TOP OF CEMENT (Specify calc. or CBL)
8 5/8"	23#	12 1/4"	0'	652'		440 SX REGULAR "G"		SURFACE
4 1/2"	11.6#	7 7/8"	0'	7194.94'	SUSSEX	NOT REQUIRED		— CBL
					CDL/NIOR	200 SX PREMIUM		6235' CBL

25. TUBING RECORD - Please Specify ONE								
SIZE 2 3/8"	DEPTH SET (MD) 7064.26'	PACKER DEPTH (MD) —	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)

26. PRODUCING INTERVALS	27. ATTACH WELLBORE DIAGRAM FOR MULTI-ZONE/COMMINGLED PRODUCTION (RULE 322)					
FORMATION	TOP	BOTTOM	GROSS PERFORATED INTERVAL	SIZE	NO. HOLES	PERF STATUS (open, squeezed)
A) CODELL	7069'	7085'	7071'-7084'	.38"	40	OPEN
B) NIOBRARA	6756'	7046'	6786'-6941'	.22"	26	OPEN
C)						
D)						

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7071'-7084'	ACIDIZE W/ 500 GAL 7.5% HCl, THEN FRAC W/ 85,700 GAL 2% KCl WTR WITH 40# GUAR
	WITH 10,000 # 100 MESH SAND AND 250,500 # 20/40 MESH SAND
6786'-6941'	ACIDIZE W/ 1000 GAL 7.5% HCl, FRAC W/ 72,702 GAL 2% KCl WTR WITH 40# GUAR
	WITH 10,000 # 100 MESH SAND AND 162,000 # 20/40 MESH SAND

29. PRODUCTION - INTERVAL A									
DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
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CHOKE SIZE	FLOW. TUBING PRESSURE	CASING PRESSURE	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.)	
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29. PRODUCTION - INTERVAL B & A COMMINGLED *****									
DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
09/24/91	NO TST	10.5	---	23	174	2		SOLD	FLOWING
CHOKE SIZE	FLOW. TUBING PRESSURE	CASING PRESSURE	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.)	
40/64"	400	1300	---	53	398	5	7565	PRODUCING	



### PRODUCTION - INTERVAL C

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION -->	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
CHOKE SIZE	FLOW. TUBING PRESSURE	CASING PRESSURE	24 HR. RATE -->	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.)	

### PRODUCTION - INTERVAL D

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION -->	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
CHOKE SIZE	FLOW. TUBING PRESSURE	CASING PRESSURE	24 HR. RATE -->	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.)	

30. PLEASE ATTACH AN 8.5" X 11" BASIC SKETCH SHOWING ALL SURFACE EQUIPMENT ASSOCIATED WITH PRODUCTION, FLUID SEPARATION, FLUID STORAGE, AND GAS MEASUREMENT FOR THE WELL. SHOW APPROXIMATE DISTANCES OF EQUIPMENT FROM WELLBORE. INCLUDE WATER DISPOSAL PITS IF APPLICABLE. OUTLINE UNDERGROUND FLOWLINES AND LIST ANY OTHER WELLS SHARING THE SURFACE EQUIPMENT. SKETCH WILL BE SUBMITTED WHEN SURFACE FACILITIES ARE SURVEYED.

#### 31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS):

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS AND ALL DRILL/STEM TESTS, INCLUDING DEPTH INTERVAL TEST, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES AND RECOVERIES.

#### 32. FORMATION (LOG) MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTIONS, CONTENTS, ETC.	NAME	TOP MEAS. DE
PARKMAN	3838'		SILTSTONE	PARKMAN	3838'
SUSSEX	4223'		SANDSTONE	SUSSEX	4223'
NIOBRARA	6756'	7046'	SHALE/MARLSTONE	NIOBRARA	6756'
FT. HAYS	7046'	7069'	LIMESTONE	FT. HAYS	7046'
CODELL	7069'	7085'	SANDSTONE	CODELL	7069'
				TD	7197'

#### 33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE & ATTACH CEMENT VERIFICATION):

#### 34. CIRCLE ENCLOSED ATTACHMENTS:

- |                                 |                              |   |
|---------------------------------|------------------------------|---|
| 1. MECHANICAL LOGS (1 full set) | 3. WELLBORE SKETCH (See #27) | 6. SUNDRY NOTICE FOR PLUGGING & CEMENT VERIFICATION |
| 2. GEOLOGIC REPORT              | 4. DST REPORT                | 7. CORE ANALYSIS                                    |
| 5. DIRECTIONAL SURVEY           | 8. OTHER:                    |   |

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED:

*Dawn H. Darling*

PRINT NAME: Dawn H. Darling

TITLE: Petroleum Engineer

DATE: 10/22/91