

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-039-24645
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Simms
8. Well No.	7
9. Pool name or Wildcat	East Blanco Pictured Cliffs

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. Name of Operator Robert L. Bayless	
3. Address of Operator P.O. Box 168, Farmington, NM 87499	
4. Well Location Unit Letter <u>P</u> : <u>790</u> Feet From The <u>South</u> Line and <u>790</u> Feet From The <u>East</u> Line Section <u>12</u> Township <u>30N</u> Range <u>4W</u> NMPM <u>Rio Arriba</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>6970' GL; 6982' RKB</u>	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <u>Amended Log, Core, Cement Longstring</u> <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See Attached Daily Report.

RECEIVED  
OCT 17 1990  
OIL CON. DIV.  
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kevin H. McCord TITLE Petroleum Engineer DATE 10-16-90  
TYPE OR PRINT NAME Kevin H. McCord TELEPHONE NO. 505/326-2659

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE OCT 17 1990  
CONDITIONS OF APPROVAL, IF ANY:

# ROBERT L. BAYLESS

P. O. BOX 168  
FARMINGTON, NM 87499

FAX NO  
(505) 326-6911

OFFICE NO  
(505) 326-2659

SIMMS #7  
790' FSL & 790' FEL  
Section 12, T30N, R4W  
Rio Arriba County, NM

- 7-2-90 Spud well at 1900 hrs., 7-1-90. Drilled 12 1/4" surface hole. Lost Circulation at 43'. Mix 6 sx cotton seed hulls in hole. Regain circulation. Drill 30'. Lost circulation mix cotton seed hulls in hole. Regain partial returns. Mix 125 bbls 40 viscosity mud with 10% LCM. Circulate and regain full returns. Drill to 158', circulate and drop survey. TOH. Rig up and run 4 jts. 8 5/8" (138.42). Land at 151' with centralizers at 133' and 115'. Rig up Cementer's Inc. and cement with 75 sx Class B with 2% CACL. Good circulation throughout job. Did not get cement to surface. Rig up and cement top job from top of cement at 50' to surface with 15 sx Class B. Rig down Cementer's, Inc. WOC.
- 7-3-90 WOC. Nipple up and test Kelly Cock, Floor Valve and casing to 800 PSI. Trip in hole. Tag cement at 90'. Drill out at 1600 hrs., 7-2-90. Drilled with water to 1180'. Mud up at 1180'. Circulate and mix mud. Stand by pump down, using main pump to mix mud. Drilling at 1189' at 0600 hrs, 7/3/90.
- 7-4-90 Drilled at 2036'.
- 7-5-90 Drilled from 2034 to 2368. Trip for Bit #3. Work Bund rams. Wash 88' to bottom (tight hole from 1000' - 1960'.) Drilled from 2368 to 2736.
- 7-6-90 Drilling at 3315' without problems.
- 7-7-90 Drilling at 3756'.
- 7-8-90 Drill 7-7/8" hole to 4025'. TD at 2215 hrs., 7-7-90. Circulate and condition hole. 20 stand short trip to 2118'. Pull out of hole for logs. Rig up loggers. Run SD, DSN, CSNG, Microlog, and Induction logs. Loggers to 4016'.
- 7-9-90 Finish running Induction, Density, and neutron logs. Attempt to take sidewall cores - electrical problems with logging truck (couldn't get Gamma Ray to work for depth correlation) - Trip in hole with drillpipe. Circulate for 1 hour. Laydown drillpipe and collars. Rig up casing crew. Run 4-1/2" casing as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	10.00	0-10
47 jts. 4-1/2" 10.5#/ft J-55 new Maverick casing	2005.03	10-2015
1 DU Tool	3.74	2015-2019
46 jts. 4-1/2" 10.5#/ft J-55 new Maverick casing	1924.00	2019-3943
1 DFFC	1.85	3943-3945
1 jt. 4-1/2" 10.5#/ft shoe joint	42.89	3945-3987
1 cement filled guide shoe	0.70	3987-3988
	3988.21	



Centralizers at 1930, 1972, 2062, 3003, 3046, 3089, 3132, 3174, 3260, 3345, 3559, 3602, 3644, 3686, 3729, and 3900.

Rigged up Haliburton. Pumped 20 bbls. water spacer ahead of cement. Pumped 125 sx (258 ft<sup>3</sup>) Class B cement with 2% econolite tailed by 350 sx (441 ft<sup>3</sup>) of 50/50 pozmix with 2% gel, 10% salt - good circulation throughout job. Bumped plug to 1250 PSI - float held OK. Plug down at 12:45 a.m., 7/9/90. Opened DU tool with 1500 PSI. Circulate for 3 hours. Pumped 425 sx (876 ft<sup>3</sup>) of Class B cement with 2% econolite tailed by 50 sx (59 ft<sup>3</sup>) of Class B neat cement. Good circulation throughout job. Circulated cement to surface. Bumped plug to 2000 PSI. Held OK. Plug down at 5 a.m., 7/9/90. Nipple down BOP. Set slips. Released rig at 7 a.m., 7/9/90. Wait on completion.

7-23-90 Move in and rig up Bayless Rig 6. Nipple up wellhead. Nipple up BOP - SDRN.

7-24-90 Pick up bit, casing scraper, and 2-3/8" tubing. Tag cement on top of DU tool at 2015 ft. RKB. Tag cement on top of DFFC at 3885'. Drill 47 ft. of cement to 3932 ft. RKB (PBTD). Shut down overnight.

7-25-90 Rigged up the Western Company. Pressure tested casing and wellhead to 3000 PSI. Held OK. Circulate hole clean with 1% KCL Water. Move tubing to 3726 ft. RKB. Spot 250 gallons of 7-1/2% DI HCL acid across perforation interval. Trip tubing out of hole. Rigged up Huskey Wireline. Ran GR-CLL from loggers PBTD of 3927 ft. RKB. Perforated Pictured Cliffs interval with 3-1/8" casing gun and 2JSPF as follows:

3635-3638	3'	7 holes
3640-3645	5'	11 holes
3647-3656	9'	19 holes
3658-3678	20'	41 holes
3682-3685	3'	7 holes
3700-3706	6'	13 holes
3724-3726	2'	5 holes
	48'	103 holes (.34" diameter)

Broke down Pictured Cliffs perforations at 1200 PSI. Established an injection rate of 5.0 BPM at 600 PSI. ISIP = 400 PSI. Acidized Pictured Cliffs interval with 500 gallons of 7-1/2% DI HCL weighted acid containing 155 1.1 s.g. RCN ball sealers.- 4.4 BPM at 600 PSI. ISIP = 400 PSI. Saw very little ball action. Did

not balloff casing. Ran junk basket in hole. Recovered 155 ballsealers. Ran step rate test and recorded the following data:

<u>Rate (BPM)</u>	<u>STP (PSI)</u>	<u>BHTP (PSI)</u>
.3	310	1901
.4	320	1910
.7	340	1927
.9	356	1941
1.2	370	1952
1.5	380	1958
1.8	395	1970
2.1	405	1976
2.5	420	1986
3.1	444	2002
3.6	471	2022
4.2	500	2042
5.2	558	2085
5.6	614	2136

ISIP = 440 PSI; 2033 PSI BHP.

Shut in well - SDFN

7-26-90 Rigged up the Western Company. Fracture stimulated the Pictured Cliffs interval with 75,000 gallons of 70 quality foam (using 20#/1000 gal. linear gel) containing 100,000 lbs. of 20-40 sand as follows:

15,000 gallons of 70 quality foam pad.	30 BPM at 1450 PSI.
20,000 gallons of 70 quality foam containing 1 ppg 20-40 sand	30 BPM at 1550 PSI.
40,000 gallons of 70 quality foam containing 2 ppg 20-40 sand	30 BPM at 1450-1600 PSI
2,431 gallons of 70 quality foam flush	30 BPM at 1650 PSI.

ISIP = 1450 PSI decreasing to 1270 PSI after 15 minutes. Average rate 30 BPM - Average pressure 1550 PSI. Maximum pressure 1650 PSI. Minimum pressure 1400 PSI. Total fluid pumped was 557 bbls. of 20#/1000 linear gel. Average nitrogen rate 14,400 SCF/min. Total nitrogen pumped 878,530 SCF. Shut in well for 4 hrs. Open well to the atmosphere to cleanup. SDFN.

7-27-90 Well flowing to pit to cleanup.

7-28-90 Killed well. Tripped in hole with hydrostatic bailer on tubing. Tagged sand fill at 3602 feet RKB (above top perf). Made 2 sand cleanup runs with bailer. Cleaned out 270 feet of sand to 3872 ft. RKB (146 feet below bottom perf). Tripped in hole with production string and landed tubing as follows:

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
KB to landing point	9.58	0-10
115 jts of 2-3/8" 4.7#/ft J-55		
EUE used tubing	3625.19	10-3635
1 seating nipple	.75	3635-3636
1 jt. of 2-3/8" 4.7#/ft J-55		
EUE used tubing	<u>31.16</u>	3636-3667
	3666.68	

Nipple down BOP. Nipple up wellhead. Rigged to swab. Made 4 swab runs and well started flowing gas with a heavy mist of water. Released rig. Left well flowing to the pit to cleanup for AOF.