

Submit To Appropriate District Office
State Lease - 6 copies
Federal Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO.

30-025-36354

5. Indicate Type of Lease

STATE ☐ FEE ☒

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:

NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER

2. Name of Operator

Chesapeake Operating, Inc.

3. Address of Operator

P.O. Box 18496, Oklahoma City, OK 73154-0496

4. Well Location

Unit Letter I : 2310 Feet From The South Line and 660 Feet From The East Line

Section 15

Township 16S

Range 35E

NMPM

Lea

County

10. Date Spudded

8/30/03

11. Date T.D. Reached

9/26/03

12. Date Compl. (Ready to Prod.)

02/06/04

13. Elevations (DF& RKB, RT, GR, etc.)

GR: 3985'

14. Elev. Casinghead

3986'

15. Total Depth

11,902

16. Plug Back T.D.

11,240'

17. If Multiple Compl. How Many Zones? NA

18. Intervals Drilled By

Rotary Tools

0-TD

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

~~11814-22 Mies. 11516-36' Brunson~~ 11281-318 Atoka 11080-106 Strawn

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

SDDSN; DLM-G; CSL; SFT

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48#	445'	17-1/2	475 sx	
8-5/8	32#	4,200'	11"	1100 sx	
5-1/2	17#	11,902'	7-7/8"	610 1st stg	
				750 2nd stg	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	10,994'	10,994'

26. Perforation record (interval, size, and number)

11814-22 4 spf 0.42" hole, 32 holes CIBP 11710
11516-36' 4 spf 0.42" hole, 80 holes CIBP 11470
11281-318' 2 spf 0.42" hole, 50 holes CIBP 11240
11080-106 4 spf 0.42" hole, 104 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11814-822'	64 bbl 2% KCL pad +5000 gal
	15% NE-FE +80 bbls 2% KCL Flush
	See Attached Sec 27 Data

28. PRODUCTION

Date First Production (uneconomical) 10/22/03		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) i Prod.	
Date of Test 02/09/04	Hours Tested 24	Choke Size 24/64	Prod'n For Test Period	Oil - Bbl 545	Gas - MCF 929	Water - Bbl 0
Flow Tubing Press. 700	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl 545	Gas - MCF 929	Water - Bbl 0	Oil Gravity - API (Corr.) 17.05 ft3/bbl

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

30. List Attachments

C-103, C-104, Deviation Rept., schematic, logs

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature

Barbara J. Bale for

Printed Name

Andrew J. McCalmont

Title

Asset Manager

Date

02/23/04

E-mail Address

Andrew.McCalmont

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy	1898	T. Canyon	T. Ojo Alamo	T. Penn. "B"	
T. Salt		T. Strawn	11071	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt		T. Atoka	11280	T. Pictured Cliffs	T. Penn. "D"
T. Yates	3047	T. Miss	11571	T. Cliff House	T. Leadville
T. 7 Rivers	3335	T. Devonian		T. Menefee	T. Madison
T. Queen	3935	T. Silurian		T. Point Lookout	T. Elbert
T. Grayburg	4330	T. Montoya		T. Mancos	T. McCracken
T. San Andrés	4681	T. Simpson		T. Gallup	T. Ignacio Otzte
T. Glorieta	6176	T. McKee		Base Greenhorn	T. Granite
T. Paddock		T. Ellenburger		T. Dakota	T.
T. Blinebry		T. Gr. Wash		T. Morrison	T.
T. Tubb	7349	T. Delaware Sand		T. Todilto	T.
T. Drinkard		T. Bone Springs		T. Entrada	T.
T. Abo	8084	T. Morrow	11545	T. Wingate	T.
T. Wolfcamp	9466	T.		T. Chinle	T.
T. Penn	10673	T.		T. Permian	T.
T. Cisco (Bough C)		T.		T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	1898	1898	Redbed				
1898	3047	1149	Sald & anhydrite				
3047	3335	288	sand				
3335	4681	1346	anhydrite, dolomite, salt, sand				
4681	6176	1495	dolomite				
6176	8084	1908	dolomite & sand				
8084	9466	1382	dolomite				
9466	10673	1207	limestone				
10673	11071	398	shale				
11071	11280	209	limestone				
1280	11545	265	shale & sand				
1545	11903	358	limestone sand & shale				

Boyce 4-15 Perfs & Stimulation

Perf Mississippian 11,814-822' w/ 4 spf. Acidize w/ 120 bbls 15% NeFe. Flush w/ 80 bbls. 2% KCl.

Set CIBP @ 11,770' w/ 1 sx cmt.

Perf Brunson @ 11,516-536' w/ 4 spf. Pump 45 bbls 2% KCl pad. Acidize Brunson w/ 37 bbls. 7-1/2% HCl & 80 BS, flush w/ 270 bbls 2% KCl. Frac Brunson w/ 20,000 gal. 65Q linear foam pad & 45,000 gal. Aquavis 30 + 65Q CO₂ carrying 64,000# 20/40 sand. Flush w/ 2% KCl. MIRU Cudd & pump 2500 gal 50/50 15% NeFe/CO₂ down tbg. Flush w/ 33 bbls 2% KCl.

Set CIBP @ 11,470' w/ 1 sx cmt.

Perf Atoka @ 11302-08', 11312-18', 11281-88' & 11292-98' w/ 2 spf. Acidize w/ 30 bbls. 7.5% NeFe & 50 ball sealers; flush w/ 10 bbls. 2% KCl. Frac Atoka down csg. w/ 322 total bbls. 40# 70Q binary pad & 70Q foam carrying 40,000# 20/40 premium sand. Flush w/ 110 bbls. 2% KCl.

Set CIBP @ 11,240' w/ 1 sx cmt.

Perf Strawn from 11,086-106' & 11,080-086' w/ 4 spf. Acidize w/ 1500 gals 20% HCl w/ 100 ball sealers. Flush w/ 64 bbls. 2% KCl. 2nd Stage: Pump 3000 gal 20% Ultragel & 1000 gals 20% gelled acid followed by 4000 gals 20% Ultragel; followed by 500 gals 20% gelled acid. Flush w/ 76 bbls. 2% KCl.

CURRENT WELLBORE SCHEMATIC

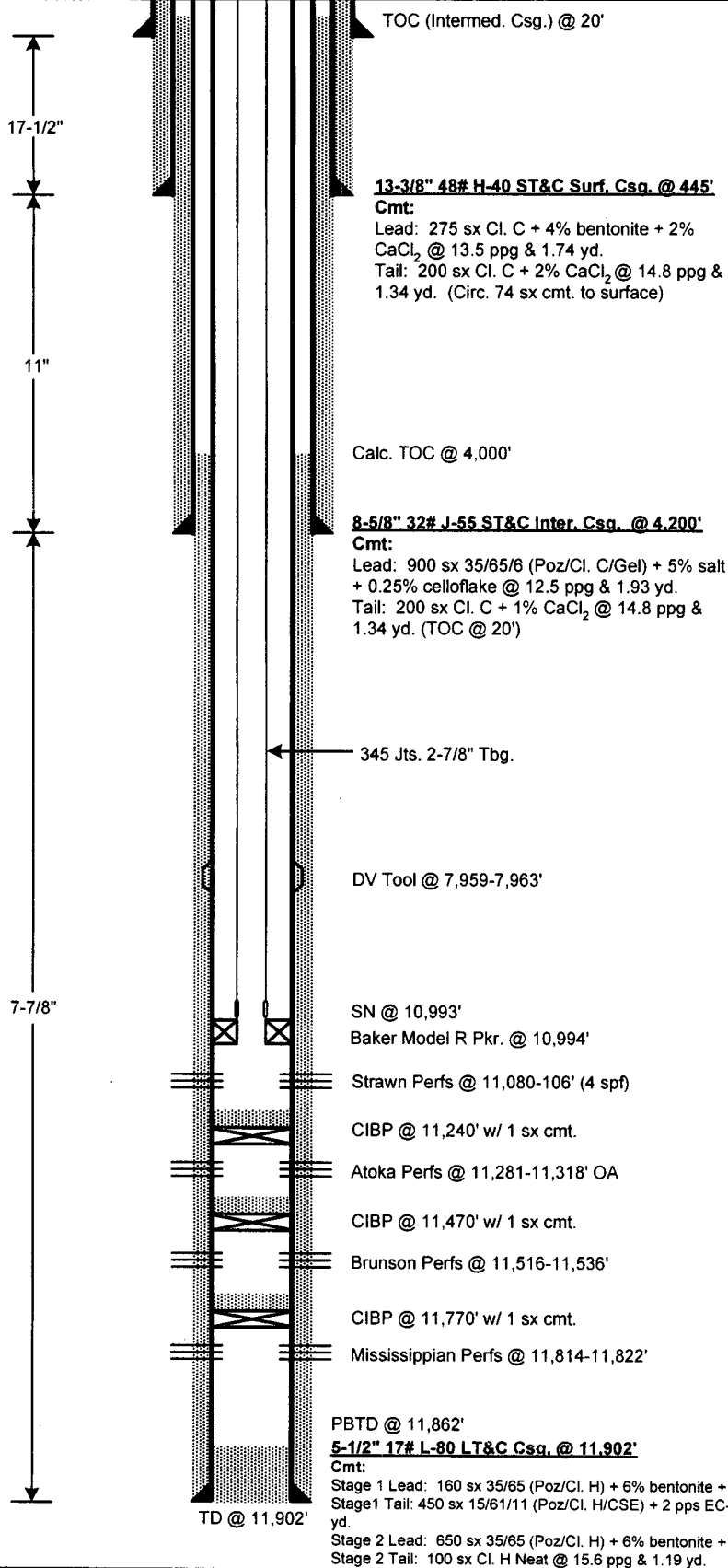
CHESAPEAKE OPERATING INC.



WELL : BOYCE 4-15
LOCATION : 2,310' FSL & 660' FEL, UNIT I, SEC. 15-16S-35E
COUNTY : LEA STATE : NM
FIELD : NORTHWEST SHOE-BAR STRAWN
ELEVATION : 3,985' GL (Svy. plat) 4,004' RKB

API #: 30-025-36354
SPUD DATE: 8/30/03
RIG RELEASED: 9/29/03
FIRST SALES: 10/22/03

Hole Size



Well History:

COMPLETION

10/13/03: RIH w/ bit; tagged cmt. @ 7789. Drill down to 7970', never felt DV tool. Circ. cmt.
10/14/03: Drill cmt to 7977'; tag DV tool. Drill DV up; TIH & tag FC @ 11,827'. Drill down to 11,862'. Press. csg to 2000 psi, holding good. Disp. well w/ 2% KCL, TOH w/ tbg.
10/15/03: Run CBL/CCL/GR from PBTD 11,862-8,500' and across DV tool from 8100-7900'. PU & TIH w/ Model R Pkr, SN & 288 Jts. 2-7/8" tbg.
10/16/03: TIH & set Pkr. @ 11,776. Load backside, pressure bleeding off. Re-set Pkr. @ 11,744'. Tie onto tbg, press to 2000 psi, held for 10 mins. Tie onto csg, would not hold press. Rel. Pkr., NU BOP. TOOH w/ pkr.
10/17/03: TIH w/ pkr, SN & 370 Jts. 2-7/8" tbg, hydrotesting in hole. Set pkr @ 11,776'; test BS to 2000 psi. Swab down to 2700'; perf 11,814-822. Swab 2700-7,600', started flwg.
10/18/03: FTP 60 psi on 10/64" ck, est 40 mcf/d. Swab 8 bbls fluid fr. 6500-8000'; scattered to SN. SWI 1 hr, press. incr to 130 psi. Left well SI.
10/20/03: SITP 2100 psi. Bled down. Acidize w/ 120 bbls 15% NeFe @ 1/2 to 2.8 bpm @ 5000 psi. Flush w/ 80 bbls. 2% KCl @ 2.8 bpm. ISIP 4700 psi, 5 min 4498 psi, 10 min 4440 psi, 15 min 4396 psi. MTP 5040 psi, ATP 4958 psi. ATR 2.3 BPM. SITP 4300 psi. Bled dwn to 10 psi and slugging water; rec 76 BW. Turn thru test separator. SD.
10/21/03: 110 psi FTP on 28/64 ck. Rec. 86 BW, flow rate 340 mcf/d. Press decr. to 40 psi, no fluid; TIH w/ swab; IFL 3800', FFL 6500', scattered to SN. Rec 13 BF. SWI 45 min, press built to 225 psi. Open well 6 pm.
10/22/03: 6 am est rate 149 mcf/d w/ 35 psi FTP on 30/64" ck; 0 BW rec. TIH w/ swab, IFL 6500'. Swab to SN, rec 8 BF. Turn well to sales (Dynergy) @ 10 am. Spot rate 130 mcf/d. 6 pm rate 105 mcf/d w/ 35 psi FTP, 64/64" ck.
10/29-31/03: MIRU. TOH w/ tbg & pkr. Set CIBP @ 11,770' w/ 1 sx cmt. Test csg. to 2000 psi; held good. Perf Brunson @ 11,516-536 w/ 4 spf. Pump 45 bbls 2% KCL pad, BD perfs @ 3500 psi. Acidize Brunson w/ 37 bbls. 7-1/2% HCl & 80 BS, flush w/ 270 bbls 2% KCL. ISIP 2470 psi, 5 min on vacuum. MTP 3600 psi, ATO 3480 psi, MTR 7.4 bpm, ATR 6.5 bpm.
11/2/03: Frac Brunson down csg. w/ Aquaviv 30 + 65Q CO₂ and 64,000# sand staging from 1/2 to 5 ppg. Screened out @ 6426 psi during 2% KCl flush. ISIP 6414 psi, 5 min 6182 psi, 10 min 6034 psi, 15 min 5944 psi. MTP 6427 psi, ATP 5250 psi. MTR 17.4 bpm, ATR 17 bpm.
11/3-4/03: SICP 4100 psi. Bled down to pit 6 hrs. Rec. 20 BF. MIRU Foam Air Unit. Tag sand @ 9678' & CO to 10,122'. Circ sand & clean hole. Sisd.
11/5/03: 32' fill overnight. CO from 10,154-10,853'. Circ. well clean, Sisd.
11/6/03: 30' fill overnight. CO from 10,883-11,172'. Circ. well clean, Sisd.
11/7/03: Drill thru sand bridge. TIH to 11,172', drill & CO well to 11,700'.
11/8/03: Tbg. stuck. RU power swivel, rotate & work pipe. Came free, TIH & tag sand @ 11,553'. CO to 11,700', circ clean & TOH w/ 60 Jts. tbg. Sisd.
11/10-11/03: TIH w/ bit to 11,712-no fill. RIH w/ pkr., SN, & 340 Jts. 2-7/8" tbg. Set Pkr. @ 11,466'. TIH w/ swab, IFL 8900'. FL went to 9200', made 2 runs to same depth, pulling sand.
11/12/03: TIH w/ swab to SN @ 11,461; no fluid, sand in swab cups. RDMO.
11/13/03: MIRU CT Unit, CO w/ fluid & N₂. Tag hard sand @ 11,595'. Well flwg @ 10,000'. Circ bottoms up. Open on 18/64 ck. Est. flowrate 142 mcf.
11/14/03: Well dead. TIH w/ swab, IFL 10,200. Pulled from 11,200'; no fluid, sand on swab cups. TIH w/ 1 cup to 11,100', sand in cup. RDMO.
11/20-22/03: MIRU. TOH w/ tbg, SN & Pkr. TIH w/ 4-3/4" blade bit, BS, ck. valve & 274 Jts. tbg. Couldn't break circ. Final broke circ w/ 100 Jts. in hole.
11/24/03: TIH, breaking circ. @ 190, 240, 300, & 360 Jts. Tag sand @ 11,510'. Drill up 12' sand; circ. bottoms up & pulled 5 Jts. Sisd.
11/25/03: Broke circ to drill sand, torquing up; would not go thru tight spot.
11/26/03: TOH w/ tbg, & bit, pick up mill too bit and 6 DC. RIH. Sisd.
12/1/03: TIH & work thru tight spot; CO sand to 11,695'. Circ. 2 hrs, TOOH to 11,427', waited to see if well would flow. Had slight blow. Sisd.
12/2/03: TIH to 11,695'; no fill. TOH & LD tbg, DC & bit. RIH w/ 5-1/2" Model R pkr, SN & 360 Jts. tbg. Set pkr @ 11,466'. Test csg to 2000 psi. SI.
12/3/03: TIH w/ swab to SN; did not tag fluid. Put down sales line on 20/64" ck w/ 65 psi FTP. Est. flowrate 72 mcf/d.
12/4/03: Well flwg on 20/64 ck w/ 45 psi FTP. Est. flowrate 52 mcf/d. RDMO.
12/9/03: MIRU Cudd & pump 2500 gal 50/50 15% NeFe/CO₂ dwn tbg. Flush w/ 33 bbls 2% KCl. MTP 8400 psi, ATP 5800 psi, MTR 10 bpm, ATR 5 bpm. ISIP 5960 psi, 5 min 4624 psi, 10 min 3840 psi, 15 min 3840 psi. SITP 1800 psi. Open well on 32/64 ck incr. to 64/64; FB 91 BW in 6 hrs, TP 10 psi.
12/10/03: TIH w/ swab; IFL 9500'. Swab to SN, no fluid entry. Rec. 14 BW.

Continued on next page

PREPARED BY: Ginni A. Kennedy
UPDATED BY: Ginni A. Kennedy

DATE: 10/2/03
DATE: 2/10/04

BOYCE 4-15

Well History (continued):

12/11/03: Re-perf Brunson from 11,516-536' w/ 2 spf. TIH w/ swab, IFL 11,000'. Rec 3 BW, well dried up. SI 1 hr, TP 40 psi. TIH w/ swab, well dry.
12/31/03: ~~Set CIBP @ 11,470' w/ 1" sx cmt. TIH w/ pkr & tbg., set @ 11,211'.~~
1/5/04: Perf Atoka @ 11302-08', 11312-18', 11,281-88' & 11292-98' w/ 2 spf. TIH w/ swab, IFL 3800'; well flwg. after 4 runs w/ FL @ 4500'. Put down sales line.
1/6/04: Acidize w/ 30 bbls. 7.5% NeFe & 50 BS; flush w/ 10 bbls. 2% KCl. ISIP 3100#, 5 min 2120#, 10 min 1255#, 15 min 595#. MTP 4749#, ATP 4710#, MTR 5 BPM, ATR 4.8 BPM. IL 1800'; dried up after 12 runs, little gas each run.
1/7/04: SITP 650 psi. TIH w/ swab, IFL 9000'. Rec. 4 BW, 1 run. RU swab unit. IFL 10,000'. Well dried up after 2 runs, 700' fluid entry after 1 hr, very little gas.
1/8/04: SITP 700 psi. IFL 9500'; well dried up after 3 runs; 300' fluid entry in 1 hr. Put down sales like on 14/64" ck w/ 60 psi FPT. Est. flowrate 34 mcf.
1/9/04: Well still flwg; Est. FR 22 mcf. TIH w/ swab, IFL 10,300', rec. 3 BW. Rel pkr, TOOH w/ tbg, SN & pkr.
1/10/04: Frac Atoka down csg. w/ 322 bbls total 40# 70Q binary pad & 70Q foam staging 40,000# 20/40 prem. sand from 1/4 to 3 ppg. Flush w/ 110 bbls. 2% KCl. ISIP 4901 psi, 5 min 4410 psi, 10 min 4320 psi, 15 min 4242 psi. MTP 6427 psi, ATP 6010 psi, MTR 25 BPM, ATR 24 BPM. SICP 4000 psi; open on 14/64 ck @ 11:45 am, 6 pm FTP 1100 psi, rec. 50 BF.
1/11/04: FB on 48/64 ck, rec. 200 BF; 232 BLWTR; well not unloading fluid, est. FR 260 mcf.
1/12/04: FTP 3 psi on 48/64 ck. Rec. 202 total BW, est. FR 246 mcf. TIH w/ pkr, SN & tbg. Set pkr. @ 11,211'. TIH w/ swab; IFL 3000'; swab down to 5800', rec. 25 BW.
1/13/04: SITP 1300 psi. TIH w/ swab, IFL 3100', made 2 runs, RDMO. RU swab unit; IFL 10400' & scd to SN. Made 2 runs, well gassing; put down sales line, FTP 60 psi on 20/64 ck.
1/14/04: FTP 80 psi on 20/64 ck, est. 90 mcf. TIH w/ swab, IFL 6500' & scd to SN. Made 2 runs, rec 2 bbls. fluid. Put well down sales line, FTP 60 psi on 20/64 ck, est. 100 mcf.
2/2/04: RUPU. Kill well w/ 60 bbls. KCl. ND WH, rel. pkr., NU BOP & TOOH w/ tbg. & pkr.
2/3/04: ~~TIH w/ CIBP & set @ 11,240' ; Bail 1" sx cmt. on to of CIBP.~~ TIH w/ Model R pkr, SN & 2-7/8" tbg; set pkr @ 10,994'. Test plug to 4000 psi. Swab well down to 5000'.
2/4/04: Perf Strawn from 11,086-106' (1st run) & 11,080-086' w/ 4 spf. FL up to 800' between gun runs. TIH w/ swab, IFL @ 3800'. Made 14 runs, FL const. @ 4500' last 6 runs w/ 80% OC. Rec. 60 bbls. fluid, good blow of gas btwn runs. Left open to tank battery.
2/5/04: Well flwg. @ 145 psi on 40/64 ck. Unloaded 95 BO in 14 hrs. Acidize w/ 1500 gals 20% HCl w/ 100 BS @ 2.5 bpm & 40 psi. Flush 2/ 64 bbls. 2% KCl @ 4.7 bpm. @ 273 psi. Fmtn. broke when acid hit fmtn @ 3290 psi. SD; well on vac. 2nd Stage: Pump 3000 gal 20% Ultrigel @ 6 bpm & 1000 gals 20% gelled acid followed by 4000 gals 20% Ultrigel; followed by 500 gals 20% gelled acid @ 6 bpm @ 2469 psi. Flush w/ 76 bbls. 2% KCl. MTP 3705 psi; ATP 833 psi; MTR 6.1 bpm; ATR 4.7 bpm. Left SI 4 hrs. for gel to break. Open well; 0 psi. TIH w/ swab, IFL 3400'. Made 11 runs, FFL 2800' and well started flowing @ 200 psi on 64/64 ck. Pinched back to 30/64 ck, FTP incr. to 420 psi. Flowed & swabbed back 295 BW.
2/6/04: Well flwg. to frac tank on 24/64 ck w/ 840 psi FTP. Put well thru prodn. equipment. Est. flowrate 600 mcf on 24/64 ck w/ 800 psi FTP. Producing 25 BO/hr & 0 BW. Rec. 390 BW & 315 BO overnight. Turn over to pumper. Est. flowrate 1087 mcf.
2/9/04: Well still flowing. RDMO.