

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. ENVYR. Other _____

2. NAME OF OPERATOR
Fasken Oil and Ranch, Ltd.

3. ADDRESS AND TELEPHONE NO.
303 W. Wall, Suite 1800, Midland, TX 79701 (915) 687-1777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2150 feet FNL and 660 feet FEL
At top prod. interval reported below same
At total depth same

5. LEASE DESIGNATION AND SERIAL NO.
NM-LC0702015-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
23498

8. FARM OR LEASE NAME, WELL NO.
Maralo "34" Federal No. 3

9. API WELL NO.
30-015-30331

10. FIELD AND POOL, OR WILDCAT
Avalon (Morrow)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 34, T20S, R27E

14. PERMIT NO. _____ **DATE ISSUED** 6-30-98

12. COUNTY OR PARISH Eddy **13. STATE** NM

15. DATE SPUNDED 4-12-99 **16. DATE T.D. REACHED** 5-12-99 **17. DATE COMPL. (Ready to prod.)** 6-5-99 **18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*** 3261' GR **19. ELEV. CASINGHEAD** 3263'

20. TOTAL DEPTH, MD & TVD 11,104' **21. PLUG, BACK T.D., MD & TVD** 11,081' **22. IF MULTIPLE COMPL., HOW MANY*** _____ **23. INTERVALS DRILLED BY** _____ **ROTARY TOOLS** All **CABLE TOOLS** -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
10948'-10957', 11001'-11006', 11032'-11037' Morrow **25. WAS DIRECTIONAL SURVEY MADE** No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Litho Density Compensated Neutron/Gamma Ray/ Azimuthal Laterolog/Micro-CFL **27. WAS WELL CORED** No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	404'	17 1/2"	Surf., 440sx+384sx by 1" +4 yd. Ready	Mix -
9-5/8"	36	2288'	12 1/2"	Surf. 1000 sx	
5 1/2"	17 & 20	11104'	8-3/4"	2030 by Temp, DV's @ 8545', 5014'	-
Stage 1: 750 sx "C", Stg 2: 100 sx "H", Stg. 3: 1010 sx "C"					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	10,925'	

31. PERFORATION RECORD (Interval, size and number)

10948'-10957'	(0.41", 36 holes)
11001'-11006'	(0.41", 20 holes)
11032'-11037'	(0.41", 20 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10948'-11037'	750 gal. 15% HCl + 750 gal. Methanol + 79,000 scf N2

33. PRODUCTION

DATE FIRST PRODUCTION _____ **PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)** _____ **WELL STATUS (Producing or shut-in) Shut in WOPL**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ **TEST WITNESSED BY** _____

35. LIST OF ATTACHMENTS
C-104, Deviation Survey, Log

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

SIGNED Carl Brown **TITLE** Petroleum Engineer **DATE** 6-30-99

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Cherry Canyon Sand	2352	2352
				Brushy Canyon Sand	3778	3778
				1st Bone Sprg. Sd.	5928	5928
				2nd Bone Sprg. Carb	6188	6188
				2nd Bone Sprg. Sd	6924	6924
				3rd Bone Sprg. Carb	7082	7082
				3rd Bone Sprg. Sd	8009	8009
				Wolfcamp Lime	8584	8584
				Cisco	9324	9324
				Canyon	9504	9504
				Strawn	9754	9754
				Atoka	10126	10126
				Morrow Lime	10304	10304
				Morrow Clastics	10672	10672
				Middle Morrow	10770	10770
				Lower Morrow	10934	10934

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATING COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

5. Lease Designation and Serial No.

NM-LC0702015-C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

23498

8. Well Name and No.

Maralo "34" Fed. No. 3

9. API Well No.

30-015-30331

10. Field and Pool, or Exploratory Area
Avalon (Morrow)

11. County or Parish, State

Eddy, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator

Fasken Oil and Ranch, Ltd.

FASKEN OIL & RANCH, LTD.

3. Address and Telephone No.

303 W. Wall Ave., Suite 1800, Midland, Texas 79701-5116

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2150' FNL and 660' FEL
Sec. 34, T-20-S, R-27-E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached report

ACCEPTED FOR RECORD
David P. Glass
1999

14. I hereby certify that the foregoing is true and correct

Signed Tommy C. Taylor

Title Drilling & Production Engineer

Date 05/21/1999

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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 statement or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

**FASKEN OIL AND RANCH, LTD.
MARALO "34" FEDERAL NO. 3**

Location: 2150' FNL & 660 FEL, Section 34, T-20-S, R-27-E, Eddy County, New Mexico
Elevation: 3261' GL

Spudded @ 6:15 p.m. CST 4-12-99.

Drilled 17-1/2" hole to 404' with no returns. Fluid level 50' from surface while drilling. Set 13-3/8" 48.0#/ft H-40 ST&C casing @ 404' and cemented with 20 bbls. gelled water, 440 sx Class "C" w/ 2% CaCl₂ (sw 14.8 ppg, yield 1.34 cuft/sk). Plug down at 8:00 am 4-13-99, had no returns while cementing with fluid level 23' FS.

Cemented 17-1/2" x 13-3/8" annulus via 1" pipe with Class "C" cement w/ 4% CaCl₂ (sw 15.6 ppg, yield 1.2 cuft/sk) as follows:

RIW with 1" and tagged at 135'.

Stage No. 1- 50 sx, WOC 1-1/2 hrs, tagged @ 168'.

Stage No. 2- 50 sx, WOC 2 hrs, tagged @ 140'.

Stage No. 3- 25 sx, WOC 1-1/2 hrs, tagged @ 108'.

Stage No. 4- 25 sx, WOC 1-1/2 hrs, tagged @ 54'.

Stage No. 5- 84 sx, WOC 1-1/2 hrs, tagged 45'.

Stage No. 6- 25 sx, WOC 1-1/2 hrs, tagged 45'.

Stage No. 7- 100 sx w/ 2 yds. pea gravel, WOC 1-1/2 hrs, tagged @ 45'.

Dumped 4 yds. pea gravel and tagged @ 40'.

Stage No. 8- 25 sx, WOC 4 hrs, tagged @ 45'.

Stage No. 9- Poured 3 yds. pea gravel and 4 yds ready mix cement down 17-1/2" x 13-3/8" annulus and raised TOC to surface. Mr. Duncan Whitlock with the BLM witnessed all 1" cementing operations.

Drilled 12-1/4" hole to 2290'. Lost complete returns at 1412'. Regained 20%-40% returns by 2290'.

Set 9-5/8" 36.0#/ft J-55 LT&C casing @ 2273'. Cemented with 20 bbl gelled water followed by 200 sx Class "H" with 10% A-10B, 1% CaCl₂, 10#/sx Gilsonite and 1/2#/sx Cello Flake (s.w. 14.6 ppg, yield 1.52 ft³/sx), 600 sx Class "C" with 4% gel and 2% CaCl₂ (s.w. 13.51 ppg, yield 1.74 ft³/sx) and 200 sx Class "C" with 2% CaCl₂ (s.w. 14.80 ppg, yield 1.34 ft³/sx). Plug down at 4:15 am CDT 4-18-99. Circulated 343 sx excess cement.

Drilled 8-3/4" hole to TD of 11,100'. Mudded up at 9600'. Maximum mud weight 10.5 ppg at TD.

DST No. 1 (10,746' - 10,865')

Opened tool @ 10:35 pm CDT 5-8-99 with weak blow.

5"- 110 psig on 1/4" choke, closed tool. GTS 5" after closing tool. Tool closed 60".

Reopened tool @ 11:35 pm on 1/4" choke with weak blow.

2"	70 psig	123 mcf
5"	190 psig	298 mcf
10"	375 psig	570 mcf
20"	500 psig	754 mcf
30"	560 psig	842 mcf
45"	650 psig	975 mcf
60"	750 psig	1122 mcf
75"	750 psig	1122 mcf
90"	760 psig	1136 mcf
120"	760 psig	1136 mcf
150"	750 psig	1122 mcf
180"	725 psig	1084 mcf, closed tool. Tool closed for 6 hrs.

FASKEN OIL AND RANCH, LTD.
MARALO "34" FEDERAL NO. 3
Page No. 2

Recovery: 540' (2.7 bbls.) drilling mud. CI 145,000 ppm, pit CI 145,000 ppm
Sampler: 800 psig, 5.354 cu.ft. gas, 0 fluid
Pressure: Inside gauge

IHP	5809 psig
IFPF	414 psig
FPFP(5")	414 psig
ISIP(60")	1374 psig
IFP	432 psig
FFP(180')	986 psig
FSIP(6 hrs)	1565 psig
FHP	5789 psig

BHT 177 deg. F

Set 5-1/2" 20# and 17# N-80 casing @ 11,104'. Cemented in 3 stages with DV tools at 8545' and 5014' as follows;

1st stage: Pumped 10 bfw, 500 gallons Mud Clean II, 10 bfw and 750 sx Super "C" Modified with 1.4% FL-25, 1% salt, 0.2% CD-32 (s.w. 14.0 ppg, yield 1.34 ft³/sx). Plug down at 6:00 pm CDT 5-13-99. Circulated 170 sx excess cement.

2nd stage: Pumped 10 bfw, 500 sx BJ light with 6% gel, 1% salt, 0.4% FL-62, and 0.2% FL-52 (s.w. 12.6 ppg, yield 2.01 ft³/sx) and 100 sx Class "H" neat (s.w. 15.6 ppg, yield 1.18 ft³/sx). Plug down at 1:05 am CDT 5-14-99. Circulated approximately 10 bbls of preflush water.

3rd stage: Pumped 10 bfw, 500 gallons Mud Flush II, 10 bfw, 910 sx Super "C" Modified with 1% salt, 0.4% FL-25, 0.3% CD-32 (s.w. 14.2 ppg, yield 1.30 ft³/sx) and 100 sx Class "C" neat (s.w. 14.8 ppg, yield 1.32 ft³/sx). Plug down at 8:55 am CDT 5-14-99. Top of cement at 2030' per temperature survey.

NU tubinghead and flow tree. RD rotary tools.

5-20-99 Move out rotary tools. WO completion unit.

Fasken Oil & Ranch, Ltd.
Maralo "34" Federal No. 3
Unit H, T20S, R27 E
2150 feet FNL and 660 feet FEL
Eddy County, New Mexico

Working Interest Owners

Working Int. %

Fasken Oil & Ranch, Ltd. 303 W. Wall Suite 1900 Midland, TX 79701	50.000000%
Sacramento Partners, Ltd. 105 S. 4 th St. Artesia, NM 88210	17.410608%
Burnett Oil Co., Inc. 801 Cherry St., Ste. 1500 Fort Worth, TX 76102	3.713082%
Marbob Energy Corp. P. O. Box 227 Artesia, NM 88211-0227	28.298784%
Robert H. Angevine 3601 Imperial Midland, TX 79707	0.577526%
Total	100.000000%