

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN

N.M.

Cons. Division

811 S. 1st Street

Artesia, NM 88210-2834

RECEIVED

OMB NO. 1004-0137

Expires: December 31, 1991

LEASE DESIGNATION AND SERIAL NO.

NM-LC072015-C

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
1b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. REMOVR. <input type="checkbox"/>	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 660' FNL and 1550' FWL, Unit C At top prod. interval reported below 660' FNL and 1550' FWL, Unit C At total depth							
14. PERMIT NO. 660' FNL and 1550' FWL, Unit C				DATE ISSUED 03/07/2001			
15. DATE SPUDDED 04/04/2001		16. DATE T.D. REACHED 05/05/2001		17. DATE COMPL. (Ready to prod.) WOPL		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3201' GR	
19. ELEV. CASINGHEAD 3201' GR		20. TOTAL DEPTH, MD & TVD 11,100'		21. PLUG, BACK T.D., MD & TVD 11,068		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS 0'-11,100'				CABLE TOOLS None			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* WOPL						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Three Litho-Density/Compensated Neutron/GR/Hires Laterolog Array/ MCFL/Repeat Formation Tester						27. WAS WELL CORRED 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	424'	17-1/2"	Surf, 440sx "C"		--	
9-5/8"	36	2297'	12-1/4"	Surf, 600sx "C" w/4% gel+200sx "C"		--	
5-1/2"	17	11,100'	8-3/4"	1700', Stg1:700 sx "C", Stg 2: 650sx "C" Lite w/6%gel+100sx "H", Stg3:775sx "C"		--	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				DEPTH INTERVAL (MD)			
				AMOUNT AND KIND OF MATERIAL USED			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) SHUT IN DST	
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
FLOW, TUBING PRESS.				CASING PRESSURE		CALCULATED 24-HOUR RATE	
OIL—BSL.				WATER—BSL.		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
35. LIST OF ATTACHMENTS Drilling and DST Summary, Deviation Report, Open Hole Logs, C-102							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Carl Brown</u>		TITLE <u>Petroleum Engineer</u>		DATE <u>05/23/2001</u>			

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

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 statements or representations as to any matter within its jurisdiction.

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
				Brushy Canyon Del	3615	361
				Bone Spring Lime	4259	425
				1st Bone Spring sd	5759	575
				2nd Bone Spring sd	6960	696
				3rd Bone Spring sd	7882	788
				Wolfcamp	8455	845
				Cisco	9229	922
				Canyon	9440	944
				Strawn	9698	969
				Atoka	10056	1005
				Morrow Lime	10235	1023
				Middle Morrow sd	10711	1071
				Base Lwr Morrow Sh	10857	1085
				Lower Morrow sd	10858	1085
				Barnett Shale	11018	1101

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APR 19 1966

APR 19 1966

1000 1 5000



PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701
(915) 682-9401 • Fax (915) 682-1565

May 18, 2001

MAY 22 2001

CONFIDENTIAL

Fasken Oil & Ranch, Ltd.
303 W. Wall Ave., Ste. 1800
Midland, TX 79701-5116

Re: Deviation Report
Maralo 34 Federal #4
Sec. 34, T-20-S, R-27-E

Gentlemen:

The following is a deviation survey on the above-referenced well located in Eddy County, New Mexico.

265' - 0.50	4239' - 1.00	8200' - 1.75
427' - 0.75	4732' - 1.25	8699' - 1.75
905' - 0.50	5213' - 1.50	9191' - 2.00
1441' - 1.00	5715' - 1.75	9686' - 1.50
1949' - 1.50	6190' - 1.50	10216' - 1.00
2297' - 1.00	6696' - 2.00	10636' - 1.25
2767' - 1.25	7188' - 2.00	11100' - 1.25
3262' - 0.75	7690' - 0.50	
3767' - 0.75	7942' - 1.00	

Sincerely,

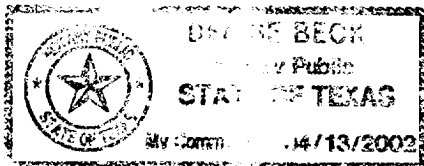
Treva Forrester

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 18th day of May, 2001 by Treva Forrester.

MY COMMISSION EXPIRES:

NOTARY PUBLIC



**FASKEN OIL AND RANCH, LTD.
MARALO "34" FEDERAL NO. 4
DST SUMMARY**

Location: 660' FNL & 1550' FWL, Sec. 34, T20S, R27E, Eddy County, NM
Drilling Contractor: Patterson Drilling Rig No. 142

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5-4-01

TD 10,938'

DST No. 1 (10,915'-10,938')

Opened tool @ 11:58 pm CDT 5-3-01 with strong blow.

1"	2.8 psig on 1/4" choke
2"	4.0 psig
3"	7.5 psig
4"	10.5 psig
5"	16.5 psig 46 mcfpd

Closed tool 1 hr. Gas to surface 13-1/2 minutes after initial opening.

Reopened tool at 1:05 am CDT 5-4-01 with strong blow from bottom of bucket.

5"	25 psig on 1/4" choke
10"	48 psig
15"	67 psig
30"	122 psig 202 mcfpd
60"	199 psig 315 mcfpd
90"	244 psig 382 mcfpd
120"	274 psig 426 mcfpd
150"	292 psig 452 mcfpd
180"	303 psig 468 mcfpd

Closed tool at 4:05 am CDT 5-4-01. Tool closed 6 hrs.

DST No. 1 (10,915'-10,938')

Recovery: 110' mud (0.54 bbl.), CI 125,000 ppm, Pit CI 125,000 ppm and 2' condensate.

Sampler: 15 psig, 2.2 cuft gas, 325 cc water, CI 92,000 ppm, 175 cc condensate.

Pressure:

IHP	5834 psig
IPFP	82 psig
FPFP(5")	94 psig
ISIP(60")	4494 psig
IFP	79 psig
FFP(180")	418 psig
FSIP(6 hrs)	4478 psig
FHP	5809 psig
BHT	175 deg.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
611 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 73280	Pool Name Burton Flat Morrow
Property Code	Property Name MARALO "34" FEDERAL	Well Number 4
OGRID No. 151416	Operator Name FASKEN OIL & RANCH LTD.	Elevation 3201'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	34	20 S	27 E		660	NORTH	1550	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Tommy E. Taylor</u> Signature</p> <p><u>Tommy E. Taylor</u> Printed Name</p> <p><u>Drilling & Production Engineer</u> Title</p> <p><u>1-3-01</u> Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>December 20, 2000</p> <p>Date Surveyed Signature <u>GARY L. JONES</u> Professional Surveyor Seal of NEW MEXICO 1977</p> <p>W.D. No. <u>0713A</u> Certificate No. <u>Gary Jones</u> 7977 PROFESSIONAL LAND SURVEYOR DRILL SURVEYS</p>