UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Oil Cons.

N.M. Div. Dist. 8

1301 W. Grand Avenue

Artesia, NM 88210

OR APPROVED
BMB NO. 1004-0137
Date 31, 1991

NM 0488813

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: ☐ OIL ☐ GAS ☒ DRY ☐ Other _____

2. TYPE OF COMPLETION: ☒ NEW ☐ REPAIR ☐ FLUO ☐ DIFF. ☐ 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

2449' FNL, 408' FEL

At top prod. interval reported below

At total depth

ACCEPTED FOR RECORD

APR 3 2002

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL

Cameron 31 Federal No. 2

9. API WELL NO.

30-015-32137

10. FIELD AND POOL, OR WILDCAT

Cemetery (Morrow)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 31, T20S, R25E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED 1/12/2002 16. DATE T.D. REACHED 2/10/2002 17. DATE COMPL. (Ready to prod.) 3/9/2002 18. ELEVATIONS (OF. RKB, RT, OR, ETC.)* 3666 GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 9804' 21. PLUG, BACK T.D., MD & TVD 9736' 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY all 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL, Three detector litho density compensated neutron/GR, High resolution laterolog/GR 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, H40	48	358	17 1/2	500 sx Class H & C, circulated	92 sx
9 5/8, J55	36	3014	12 1/4	800 sx Class C, circulated	90 sx
4 1/2, N80	11.6	9804	8 3/4	900 sx Super C Mod, 6500' TS	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	9356'	9354'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
9602 - 9626 4 jsf, 120 degree phased, total 96 holes				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				9602 - 9626	1500 gals 7 1/2% HCL, 15000 scf N2
					28770 gals 40# binary foam, 26780#
					20/40 sand

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3/9/2002		flowing				producing	
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/17/2002	24	3/4		0	183	6	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
100			0	183	6	NA	

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

35. LIST OF ATTACHMENTS

DST Summary, deviation report, C-102, request for confidentiality, C-104, logs

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

SIGNED Alexis C. Swoboda TITLE Regulatory Affairs Coordinator DATE 4/1/2002

*(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
				Upper Wolfcamp	6850	
				Lower Wolfcamp	7091	
				Cisco	7340	
				Canyon	7642	
				Strawn	8200	
				Atoka	8990	
				Upper Morrow	9284	
				Yellow Sand	9405	
				Blue Sand	9436	
				Aqua Sand	9454	
				Green Sand	9482	
				Purple Sand	9503	
				Middle Morrow	9550	
				Lower Morrow	9586	
				Orange Sand	9601	
				Brown Sand	9649	
				Upper Miss.	9795	

RECEIVED

2002 APR -2 AM 8:24

BUREAU OF LAND MGMT.
ROSWELL OFFICE

CAMERON 31 FEDERAL NO. 2

DST SUMMARY

Location: 2449' FNL, 408' FEL, Section 31, T20S, R25E

DST No. 1 (9400'-9516')

Opened tool @ 10:25 am CST 2-6-02 with weak blow.

1" 1" in bucket

2" 3" in bucket

3" 4" in bucket

4" 6" in bucket

5" 10 oz BOB

Closed tool 1 hr.

Reopened tool at 11:31 pm

1" BOB

3" 3 psig on 1/8" bubble hose

10" 14 psig

15" 24 psig

30" 52 psig on 1/8" bubble hose, GTS

60" 105 psig on 1/4" choke

90" 125 psig

120" 140 psig 228 mcfpd

Closed tool at 1:31 am CST 2-7-02. Tool closed 4 hrs.

DST No. 1 (9400' - 9516')

Recovery: 569' slightly mud cut drill mud, CI 80,000 ppm. Pit CI 84,000 ppm.

Sampler: 120 psig, 0.64 ft³ gas, no fluid.

Pressure:

IHP 4490 psig

IPFP 151 psig

FPFP(5") 195 psig

ISIP(60") 677 psig

IFP 179 psig

FFP(120") 391 psig

FSIP(240") 681 psig

FHP 4495 psig

BHT 171 deg.

DST No. 2 (9603'-9645')

Opened tool @ 7:25 pm CST 2-8-02 with weak blow.

1" 1" in bucket

2" 4" in bucket

3" 10 oz

4" 2 psig

5" 2.4 psig

Closed tool 1 hr.

Reopened tool at 8:30 pm

2" BOB

5" 15 psig on 1/8" bubble hose

10" 25 psig

15" 32 psig

20" 40 psig on 1/8" bubble hose, GTS

30" 61 psig
60" 84 psig on 1/4" choke
120" 112 psig
180" 124 psig 204 mcfpd
Closed tool at 11:31 pm CST 2-8-02. Tool closed 6 hrs.

DST No. 2 (9603' – 9645')

Recovery: 492' slightly mud cut drill mud, 100' mud with trace of gas and 30' drill cutting. CI 80,000 ppm. Pit CI 90,000 ppm.

Sampler: 280 psig, 1.12 ft³ gas, 1000 cc clear water, CI 54,000.

<u>Pressure:</u>	<u>Outside</u>	<u>Inside</u>
IHP	4668 psig	4668 psig
IPFP	1913 psig	215 psig
FPFP(5")	1805 psig	183 psig
ISIP (60")	3852 psig	3853 psig
IFP	282 psig	252 psig
FFP(180")	364 psig	355 psig
FSIP(360")	3825 psig	3828 psig
FHP	4665 psig	4664 psig
BHT	172 deg.	

Note: Inside and outside pressure recorders indicated plugging during preflow period and 22 minutes into the second flow period.

OPERATOR: FASKEN OIL & RANCH, LTD
WELL/LEASE: CAMERON 31 FED. 2
COUNTY: EDDY

142-0010

STATE OF NEW MEXICO
DEVIATION REPORT

227	1
365	2
607	1 1/4
893	3/4
1,400	1
1,911	1 1/2
2,416	2 1/4
2,606	1 3/4
2,856	1 3/4
2,977	1 3/4
3,221	1 3/4
3,721	1
4,241	1 1/4
4,725	2
4,947	1 3/4
5,454	1 1/4
5,958	1 1/4
6,367	3/4
6,855	1/2
7,331	3/4
7,830	1/4
8,332	1
8,834	1 1/4
9,340	2
9,516	2
9,800	2



By: Steve Moore

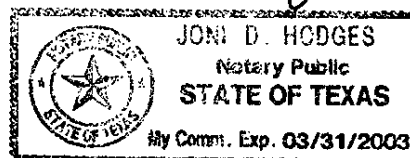
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 19th day of February, 2002, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

My Commission Expires: 3/31/2003

Joni D. Hodges
Notary Public for Midland County, Texas



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

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-32137	Pool Code 74640	Pool Name Cemetery (Morrow)
Property Code	Property Name CAMERON "31" FEDERAL	Well Number 2
OGRD No. 151416	Operator Name FASKEN OIL AND RANCH, LTD	Elevation 3666'

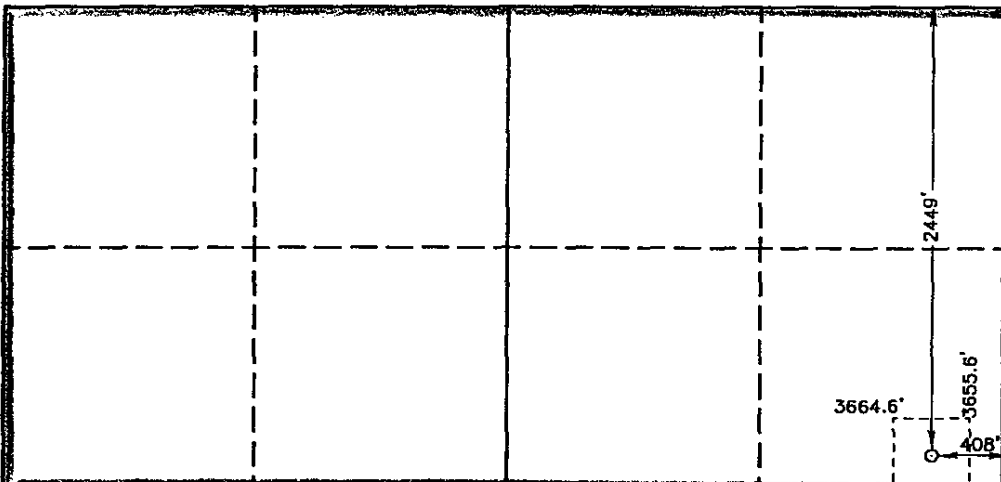
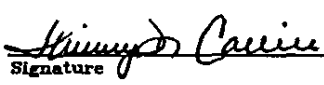
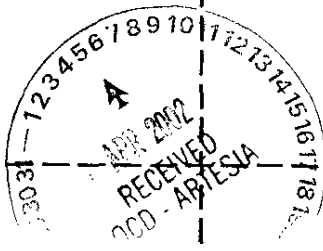
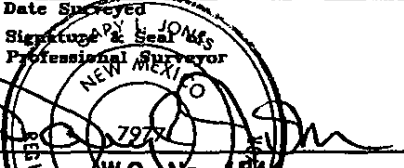
Surface Location

UL or lot No. H	Section 31	Township 20 S	Range 25 E	Lot Idn	Feet from the 2449	North/South line NORTH	Feet from the 408	East/West line EAST	County EDDY
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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 320	Joint or Infill	Consolidation Code	Order No. Com Agreement SW-888						

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

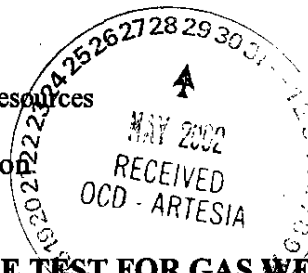
				OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.  Signature Jimmy D. Carlile Printed Name Regulatory Affairs Coordinator Title 1/3/02 Date	
				SURVEYOR CERTIFICATION I hereby certify that the well location shown on 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. OCTOBER 23, 2001 Date Surveyed  Signature & Seal Professional Surveyor NEW MEXICO 7977 W.O. No. 184 Certificate No. Gary Jones 7977 JLP Basic Surveys	

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Fasken Oil and Ranch, Ltd.					Lease or Unit Name Garner 31" Federal				
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 5-2-02		Well No. 2		
Completion Date 9-1-02		Total Depth 9804'		Plug Back TD 9736'		Elevation 3666' GR		Unit Ltr. - Sec. - TWP - Rge. H 31 20S 25E	
Csg. Size 4-1/2"	Wt. 11.6	d 4.000	Set At 9804'	Perforations: From: 9602' To: 9626'				County Eddy	
Tbg. Size 2-3/8"	Wt. 4.7	d 1.995	Set At 9356'	Perforations: From: To:				Pool Cemetery	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 9354'		Formation Morrow		
Producing Thru Tubing		Reservoir Temp. °F 168		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection Fasken - Transporter	
L 9356'	H 9356'	Gg 0.591	%CO ₂ 0.41	%N ₂ 0.87	%H ₂ S 0.00	Prover	Orifice	Meter Run 3"	Taps Flange

FLOW DATA					TUBING DATA		CASING DATA		Duration Of Flow
No.	Prover Line Size	Orifice X Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI						3165	80	0	80
1.	3.068" x 1.25"		55	15.8	80	55	80	0	80
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)	h _w P _m	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	7.577	32.88	68.2	0.9813	1.265	1.01	312
2.							
3.							
4.							
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.10	540	1.479	0.98	A. P. I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas 0.591	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid 0.591	XXXXXX
4.					Critical Pressure 673	P.S.I.A. P.S.I.A.
5.					Critical Temperature 351	R. R

No.	P _r ²	P _w ²	P _w ²	P _c ² - P _w ²
1.	4.7	88.8	7.5	10091.8
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{10099.7}{10091.8}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0007$

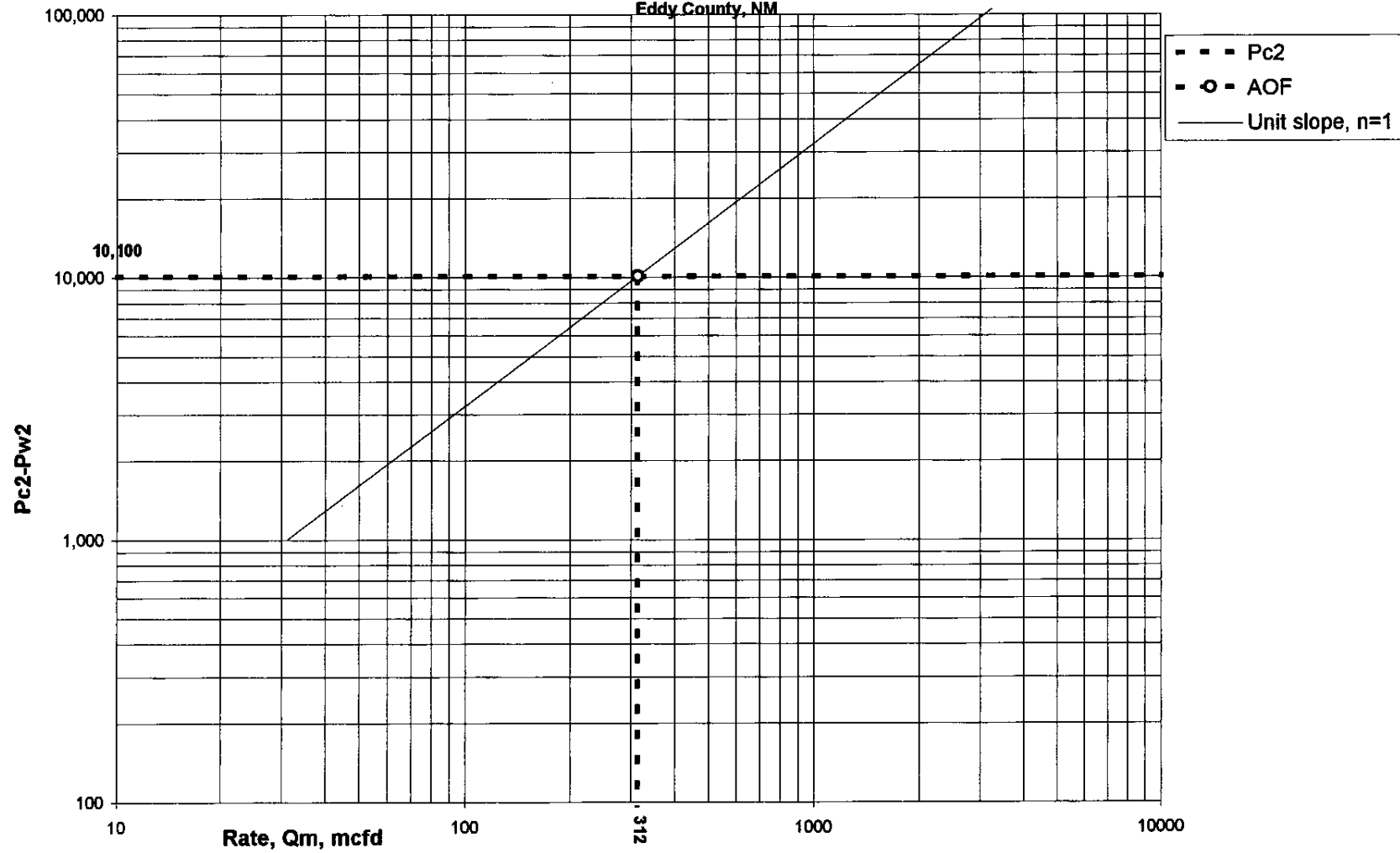
AOF = Q (312) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 312$

Absolute Open Flow	312	Mcf/d @ 15.025	Angle of Slope θ:	45	Slope, n:	1.00
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Remarks:
An approximation of AOF was made with unit slope through the maximum rate.

Approved By Division	Conducted By: Fasken Oil and Ranch, Ltd.	Calculated By: Carl Brown	Checked By:
----------------------	----------------------------------------------------	-------------------------------------	-------------

Fasken Oil and Ranch, Ltd.
 Cameron "31" Federal No. 2
 Unit H, Sec 31, T20S, R25E
 Cemetery (Morrow) Field
 Eddy County, NM



WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (Pw)

C-122D

DATE: 05/02/2002

COMPANY Fasken Oil and Ranch, Ltd. LEASE Cameron "31" Federal WELL NO. 2

LOCATION: Unit H Section 31 Township 20S Range 25E

L 9356 H 9354 L/H 1.000214 G 0.591 %CO₂ 0.41 %N₂ 0.87 %H₂S 0

d 1.995 Fr 0.018231 GH 5528.214 Pcr 673 Tcr 351

LINE	1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1 Qm	0.312				
2 Tw(W.H.DegR)	540				
3 Ts(B.H.DegR)	628				
4 $T = (Tw + Ts) / 2$	584				
5 Z (Est.)	0.985				
6 TZ	575.2				
7 GH / TZ	9.610				
8 e ^s (Table XIV)	1.434				
9 1-e ^s (Table XIV)	0.303				
10 Pt	68.2				
11 $Pt^2 / 1000$	4.7				
12 Fr (Table XV)	0.018231				
13 Fc = FrTZ	10.487				
14 FcQm	3.272				
15 $L / H(FcQm)^2$	10.708				
16 $Fw = L / H(FcQm)^2(1 - e^{-s})$	3.240				
17 $Pw^2 = Pt^2 + Fw$	7.9				
18 $Ps^2 = e^s Pw^2$	11.3				
19 Ps	106.4				
20 $P = (Pt + Ps) / 2$	87.3				
21 $Pr = (P / Pcr)$	0.130				
22 $Tr = (T / Tcr)$	1.664				
23 Z (Table XI)	0.985				

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

District II
811 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 & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

68 Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Fasken Oil and Ranch, Ltd. 303 W. Wall Ave., Suite 1800 Midland, TX 79701-5116		² OGRID Number 151416
		³ Reason for Filing Code NW
⁴ API Number 30 - 015-32137	⁵ Pool Name Cemetery (Morrow)	⁶ Pool Code 74640
⁷ Property Code 29149	⁸ Property Name Cameron 31 Federal	⁹ Well Number 2

II. ¹⁰ Surface Location

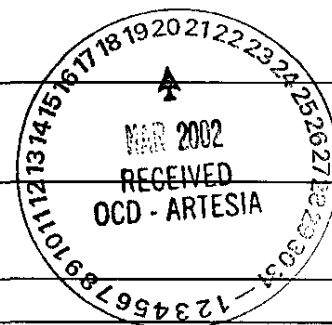
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	31	20S	25E		2449	North	408	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/9/02	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
21778	Sunoco P. O. Box 2039 Tulsa, OK 74102	0963910	O	
151416	Fasken Oil and Ranch, Ltd. 303 West Wall, Suite 1800 Midland, TX 79701	0963930	G	



IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
0963950	

V. Well Completion Data

²⁵ Spud Date 1/12/02	²⁶ Ready Date 3/9/02	²⁷ TD 9804	²⁸ PBDT 9736	²⁹ Perforations 9602-9626	³⁰ DHC, MC
³¹ Hole Size	³² Casing & Tubing Size		³³ Depth Set	³⁴ Sacks Cement	
17 1/2	13 3/8, 48#		358	500 sx Class C & H	
12 1/4	9 5/8, 36#		3014	800 sx Class C	
8 3/4	4 1/2, 11.6#		9804	900 sx Super C	
				TOC 6500' Temp Survey	

VI. Well Test Data

³⁵ Date New Oil 3/9/02	³⁶ Gas Delivery Date 3/9/02	³⁷ Test Date 3/17/02	³⁸ Test Length 24	³⁹ Tbg. Pressure 100	⁴⁰ Csg. Pressure
⁴¹ Choke Size 3/4	⁴² Oil 0 Bbls	⁴³ Water 6 Bbls	⁴⁴ Gas 183 MCF	⁴⁵ AOF	⁴⁶ Test Method flowing

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Jimmy D. Carlile</i>		OIL CONSERVATION DIVISION <i>James W. Burns</i> Approved by: <i>District Supervisor</i>	
Printed name: Jimmy D. Carlile		Title: <i>District Supervisor</i>	
Title: Regulatory Affairs Coordinator		Approval Date: APR 03 2002	
Date: March 18, 2002		Phone: (915) 687-1777	
⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator			
Previous Operator Signature	Printed Name	Title	Date

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
		74640	Cemetary - Morrow
Property Code	Property Name		Well Number
	CAMERON "31" FEDERAL		2
OGRID No.	Operator Name		Elevation
151416	FASKEN OIL AND RANCH, LTD		3666'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	31	20 S	25 E		2449	NORTH	408	EAST	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 320	Joint or Infill	Consolidation Code	Order No. Com. Agreement SW-888						

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

<div style="border: 1px dashed black; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 10px; right: 10px; text-align: right;"> 320 AL </div> <div style="position: absolute; bottom: 10px; right: 10px;"> <div style="display: flex; flex-direction: column; align-items: flex-end;"> <div style="margin-bottom: 5px;">2449'</div> <div style="margin-bottom: 5px;">3664.6'</div> <div style="margin-bottom: 5px;">3655.6'</div> <div style="margin-bottom: 5px;">408'</div> <div style="margin-bottom: 5px;">3667.8'</div> </div> <div style="position: absolute; left: 10px; bottom: 10px; text-align: left;"> Lat.: N32°31'49.8" Long.: W104°31'00.7" </div> <div style="position: absolute; left: 50%; top: 50%; transform: translate(-50%, -50%);"> </div> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <h3 style="text-align: center; margin: 0;">OPERATOR CERTIFICATION</h3> <p style="font-size: small; margin: 5px 0;">I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <div style="margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 100%; text-align: center; margin-bottom: 5px;"> </div> <div style="display: flex; justify-content: space-between;"> Signature Tommy E. Taylor </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Printed Name Drilling & Production Engineer </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Title 10/10/01 </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Date </div> </div> </div>
	<div style="border: 1px solid black; padding: 5px;"> <h3 style="text-align: center; margin: 0;">SURVEYOR CERTIFICATION</h3> <p style="font-size: small; margin: 5px 0;">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> <div style="text-align: center; margin: 10px 0;"> OCTOBER 23, 2001 </div> <div style="margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 100%; text-align: center; margin-bottom: 5px;"> </div> <div style="display: flex; justify-content: space-between;"> Date Surveyed Signature & Seal of Professional Surveyor </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> W.O. No. 1844 </div> </div> </div>
	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; margin: 0;"> Certificate No. Gary L. Jones 7977 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> JLP BASIN SURVEYS </div> </div>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.

NM-0488813

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cameron "31" Federal No.

9. API Well No.

10. Field and Pool, or Exploratory Area

Cemetery - Morrow

11. County or Parish, State

Eddy, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Fasken Oil and Ranch, Ltd.

3. Address and Telephone No.

303 W. Wall Ave., Suite 1800, Midland, TX 79701-5116 (915) 687-1777

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

2449' FNL and 408' FEL
Sec. 31, T20S, R25E

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

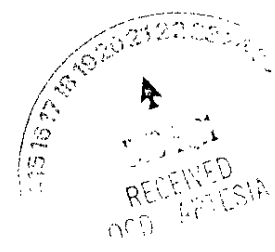
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change location
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion or Completion or Recompletion Report and Log for

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 cased, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Changing proposed location from 1300' FNL and 660' FEL to 2449' FNL and 408' FEL, Section 31, T20S, R25E, Eddy County, NM.

Amended plat is attached herewith.



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

Signed Tommy C. Taylor

Title Drilling & Production Engineer

Date 10/10/01

(This space for Federal or State office use)

Approved by /s/ JOE G. LARA

Title FIELD MANAGER

Date DEC 20 2001

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

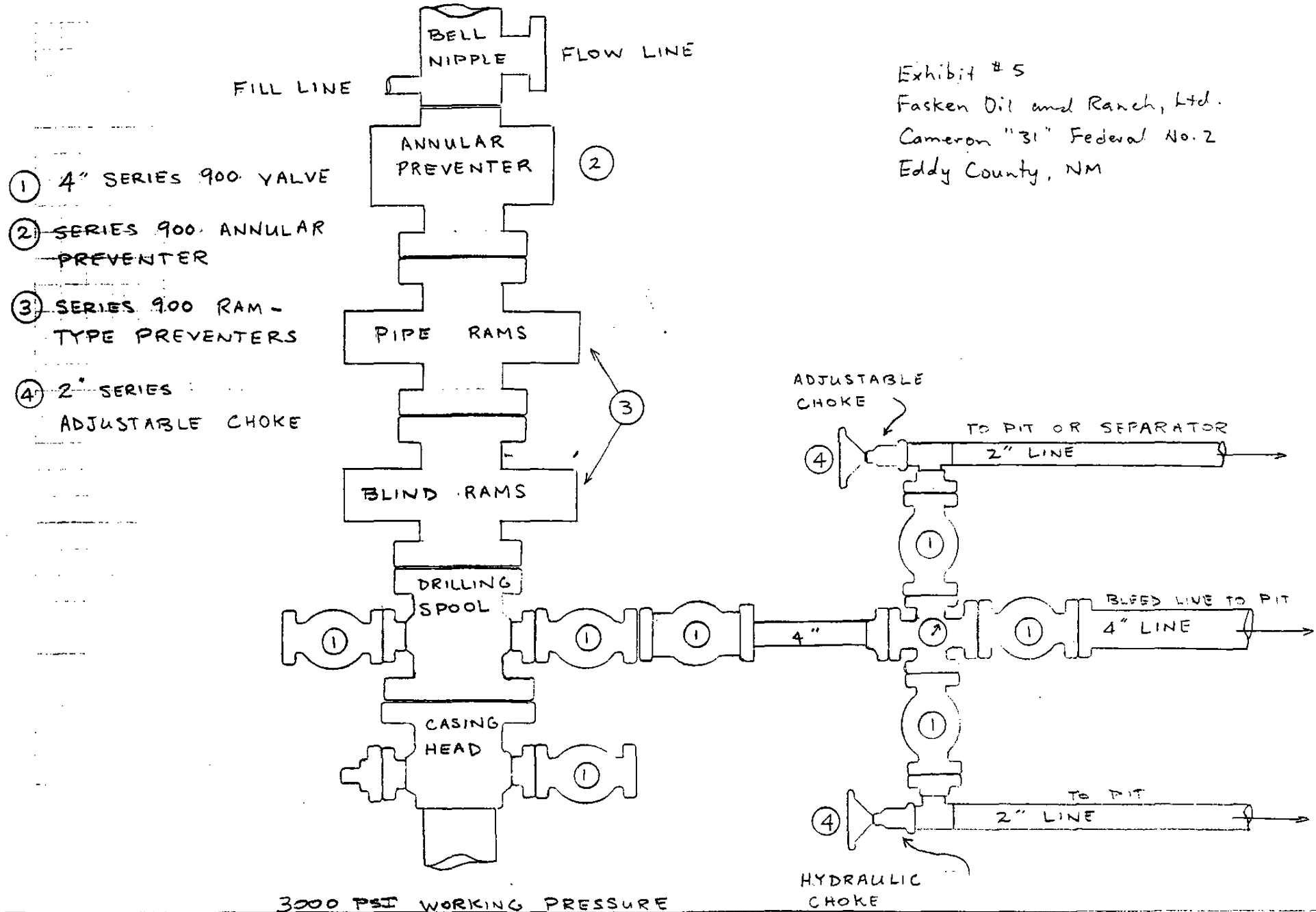


Exhibit #5

Fasken Oil and Ranch, Ltd.

Cameron "31" Federal No. 2

Eddy County, NM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ 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 (Footage, Sec., T., R., M., or Survey Description)
2449' FNL, 408' FEL, Section 31, T20S, R25E

5. Lease Designation and Serial No.

NM 0488813

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cameron 31 Federal No. 2

9. API Well No.

30-015-32137

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

11. County or Parish, State

Eddy, New Mexico

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

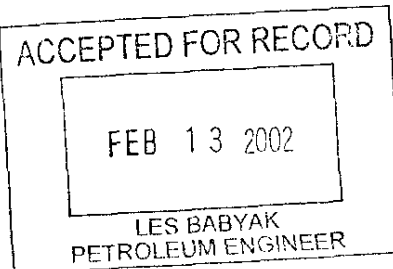
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other TD, set production casing

- ☐ 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.)

2/10/02. Reached TD of 9804' drilling 8 3/4" hole. Set 4 1/2", 11.6#, N-80, LTC casing at 9804'. Cemented with 900 sx Super C Modified with 1% KCl, 0.6% FL-25, 0.6% FL-52, and 0.15% SMS (sw 13.2 ppg, yield 1.58 cu ft/sx). Plug down at 3:20 am CST 2/12/02.



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

Signed Jimmy D. Davis

Title Regulatory Affairs Coordinator

Date 2/12/2002

(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 statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
Designation and Serial No.
NM 0488813

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ 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 (Footage, Sec., T., R., M., or Survey Description)

2449' FNL and 408' FEL, Section 31, T20S, R25E

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cameron 31 Federal No. 2

9. API Well No.

30-015-22137

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

11. County or Parish, State

Eddy, New Mexico

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 Set intermediate casing

- ☐ 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.)*

January 21, 2002 drilled 12 1/4" hole to intermediate casing point. Set 9 5/8", 36#, J-55, LTC casing at 3014'. Cemented with 600 sx Class C with 4% gel and 2% CaCl₂ (sw 13.5 ppg, yield 1.74 cubic ft/sx) and 200 sx Class C with 2% CaCl₂ (sw 14.8 ppg, yield 1.32 cubic ft/sx). Plug down at 9 am CST January 21, 2002. Circulated 90 sx excess cement to surface.

ACCEPTED FOR RECORD

JAN 30 2002

ALEXIS C. SWOBODA
PETROLEUM ENGINEER



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

Signed Alexis C. Swoboda

Title Regulatory Affairs Coordinator

Date 1/24/2002

(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 statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
Lease Designation and Serial No.
NM-0488813

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	6. If Indian, Allottee or Tribe Name
2. Name of Operator Fasken Oil and Ranch, Ltd.	7. If Unit or CA, Agreement Designation
3. Address and Telephone No. 303 W. Wall, Suite 1800, Midland, TX 79701 (915) 687-1777	8. Well Name and No. Cameron 31"Federal" No. 2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2449' FNL and 408' FEL, Section 31, T20S, R25E	9. API Well No.
	10. Field and Pool, or Exploratory Area Cemetery (Morrow)
	11. County or Parish, State Eddy, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input checked="" type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>spud, set surface</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)
Moved in and spud well on January 12, 2002. Drilled 17 1/2" hole to 403'. Set 13 3/8", 48#, H-40, ST&C casing at 358'. Cemented with 100 sx Class H with 10% A-10B, 1% CaCl₂, 10#/sx gilsonite and 1/4 #/sx celloflake (sw 14.6 ppg, yield 1.52 cubic feet/sx) plus 400 sx Class C with 2% CaCl₂ (sw 14.8 ppg, yield 1.34 cubic feet/sx). Plug down at 8:30 am CST on January 13, 2002. Circulated 92 sx excess cement.



ACCEPTED FOR RECORD

JAN 14 2002

LES BABYAK
PETROLEUM ENGINEER

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

Signed [Signature]

Title Regulatory Affairs Coordinator

Date 1/15/2002

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Fasken Oil and Ranch, Ltd.

3. ADDRESS AND TELEPHONE NO.

303 W. Wall Ave., Suite 1800, Midland, TX 79701-5116 (915) 687-1777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1000' FNL and 660' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

11 miles Southwest from Lakewood

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

599.2

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2532'

19. PROPOSED DEPTH

9850'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3632' GR

Controlled Controlled Water Basin

22. APPROX. DATE WORK WILL START*

May 15, 2001

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8", H40	48.0	400'	450 sx, circulate to surface
12 1/2"	9-5/8", J-55	36.0	3000'	1050 sx, circulate to surface
8 3/4"	4 1/2", N-80	11.6#	9850'	1075 sx, TOC est. 6000'

The operator proposes to drill to a depth sufficient to test the Morrow formation. If productive, 4 1/2" casing will be set at TD and cemented back to approximately 6000'. If non-commercial, the well will be plugged and abandoned in accordance with Federal regulations.

Drilling Program

Surface Use and Operating Plan

Exhibit #1 - Area Map

Exhibit #2 - One-Mile Radius Map

Exhibit #3 - Hydrogen Sulfide Drilling Operations Plan

Exhibit #4 - Well Site Layout

Exhibit #5 - Blowout Preventor Equipment

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

NSL-4672

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Tommy G. Taylor

TITLE Drilling and Production Engineer

DATE 3/27/01

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations there
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/S/ JOE G. LARA

TITLE

FIELD MANAGER

DATE

DEC 20 2001

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

RECEIVED

2001 MAR 28 AM 8:42

BUREAU OF LAND MGMT
ROSWELL OFFICE

121 JOE G. LARA

RECEIVED
BUREAU OF LAND MGMT
ROSWELL OFFICE
MAR 28 2001