

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
March 4, 2004

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

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies
RECEIVED
MAY 28 2004
☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Fasken Oil and Ranch, Ltd. 303 West Wall, Suite 1800 Midland, TX 79701		² OGRID Number 151416
³ Property Code 18197	⁴ Property Name Howell State Com	⁵ API Number 30 - 015-32854
		⁶ Well No. 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	32	20S	25E		1810	South	660	East	Eddy

8 Proposed 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

⁹ Proposed Pool 1

Cemetery; Wolfcamp (Gas)

¹⁰ Proposed Pool 2

Drilling Pit Location and Other Information

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
NONE									
Depth to ground water 120'				Distance from nearest fresh water well approx. 1800'			Distance from nearest surface water greater than 1 mile		
¹¹ Work Type Code P		¹² Well Type Code G		¹³ Cable/Rotary		¹⁴ Lease Type Code S		¹⁵ Ground Level Elevation 3633'	
¹⁶ Multiple No		¹⁷ Proposed Depth 9350'		¹⁸ Formation Wolfcamp		¹⁹ Contractor		²⁰ Spud Date 6/15/04	

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	400'	400 sx C	surface
12 1/4"	9 5/8"	36#	3013'	800 sx C	surface
8 3/4"	5 1/2"	17#	9799'	1200 sx SuperC	6000' temp survey

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

FASKEN Oil and Ranch, Ltd. proposes to plugback the subject well to the Cemetery; Wolfcamp (Gas) pool. Please see the attached procedure.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

NO PIT WILL BE DUG.

Signature: *Jimmy D. Carlile*

Printed name: Jimmy D. Carlile

Title: Regulatory Affairs Coordinator

E-mail Address: jimmyc@for1.com

Date: 5/27/04

Phone: 432 687-1777

OIL CONSERVATION DIVISION

Approved by:

Jim D. Carlile

Title:

District Supervisor

Approval Date:

JUN 01 2004

Expiration Date:

JUN 01 2005

Conditions of Approval:

Attached ☐

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

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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 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 30-015-32854	Pool Code 74680	Pool Name Cemetery; Wolfcamp (Gas)
Property Code 18197	Property Name HOWELL STATE COM	Well Number 2
OGRID No. 151416	Operator Name FASKEN OIL & RANCH, LTD.	Elevation 3633'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	32	20 S	25 E		1810	SOUTH	660	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.						

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>RECEIVED MAY 28 2004 OFF-ARTESIA</p>		<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></p> <p>Signature Jimmy D. Carlile Printed Name Regulatory Affairs Coord. Title May 26, 2004 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>APRIL 09, 2003</p> <p>Date Surveyed Signature & Seal of Professional Surveyor </p> <p>W.O. No. 3201A Certificate No. Gary L. Jones 7977 BASIN SURVEYS</p>		

**Howell State Com No. 2
1810' FSL & 660' FEL
Sec 32, T20S R25E
AFE 837**

OBJECTIVE: Recomplete to Wolfcamp

WELL DATA:

API Number:	30-015-32854
13-3/8" 48#/ft H-40 ST&C casing:	Set at 399.77' KB Cmt w/400 sx. Circ 150 sx to surf.
9-5/8" 36.0#/ft K-55 LT&C casing:	Set at 3013.41' KB, Cmt w/ 600 sx "C" w/4% gel+200 sx "C" w/2% CaCl ₂ , circ 130 sx to surf.
5-1/2" 17# N-80 LT&C casing:	Set at 9,799.25' Cmt w/ 1200 sx Super C Modified. TOC 2100' by temp survey. Marker jts 7.73' @ 9,482.98'; 14.97' @ 8,978.93', 7.73' @ 8745.89'
Tubing:	2-3/8" wireline entry guide, 2-3/8" burst disc, 2-3/8" EUE 8rd N-80 x 10' N-80 sub, 5-1/2" x 2-3/8" Arrowset I packer w/ 1.78" "F" profile, TOSSD (1.71"), 294- jts 2-3/8" EUE 8rd N-80 tubing (9331.77'), 2-3/8" EUE 8rd N-80 subs 10', 8', 6', 2' (26.32'). Tubing seat 9369.80'.
Packer:	9350'.
TD:	9,787'
PBTD:	9,753.97' (Float Collar), Casing full of 3% KCL water

1. RU slick line lubricator. Run 1.78" "F" profile plug in nipple at 9350'. Blow down tubing pressure.
2. RUPU. Pump 36 bbls 3% KCL water containing 0.5 gpt Claymaster 5C down tubing. Test tubing and plug to 1500 psi.
3. NDWH. Install BOP and set test tank.
4. Release TOSSD from packer at 9350' and POW.
5. RU wireline 3000 psi lubricator. Run GR-CCL from 9,200' – 7,000'. Perforate Wolfcamp 1JSPF at 7340', 7339', 7321', 7318', 7294', 7285', 7284', 7283', 7281', 7279', 7269', 7268', 7266', 7264', 7254', 7253', 7251', 7243', 7242' and 7241' total 20 holes with 3-3/8" select fire casing gun using 0.41" EHD shots 120 degree phased by Baker Hughes Compensated Z-Densilog/Compensated Neutron Log dated August 9, 2003.
6. RIW w/ 2-3/8" wireline entry guide, 5-1/2" Arrowset I 10K packer, TOSSD w/ 1.875" "F" frac hardened profile, and 2-3/8" 4.7#/ft EUE 8rd N-80 tubing to 7340' and spot 250 gals 15% NEFE DI acid. POW to 7,150'+/- and reverse acid into tubing with 8 bbls 3% Kcl water containing 0.5 gpt Claymaster 5C.
7. Set packer, ND BOP, NUWH with packer set in 20,000# compression.
8. Trap 2000 psi on tbg-csg annulus and displace acid into formation.
9. Swab well and flow to pit to clean up. Evaluate for stimulation.

10. If stimulation required, RU BJ Services. Trap 1500 psi on 2-3/8"x5-1/2" annulus. Acidize Wolfcamp perms 7241'-7340' (20 holes) with 1500 gal 15% NEFE acid dropping 40 **BIO** ball sealers evenly spaced for diversion. Max pressure 2500 psi. Additives are:

0.5 gal/M Clay Master-5C

2 gal/M FAW-18w, surfactant

2 gal/M NE-13, Non-emulsifier

1 gal/M CI-27, organic inhibitor

6 gal/M Ferrotrol-270L

2 gal/M Ferrotrol-271L

Flush with 3% KCL water containing and NE-13 surfactant.

11. Swab and flow back acid and load water.

12. Flow to pit until gas will burn.

13. Return well to sales.

CWB/cb

5-22-04

(HowStCom2 afe837 pro.doc)