

Santa Fe Main Office  
Phone: (505) 476-3441  
General Information  
Phone: (505) 629-6116

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

Online Phone Directory Visit:  
<https://www.emnrd.nm.gov/ocd/contact-us/>

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.	30-025-36333
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Buckeye "1" State	
8. Well Number	1
9. OGRID Number	151416
10. Pool name or Wildcat North Vacuum Lower Wolfcamp	

<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)</p>	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Fasken Oil and Ranch, Ltd	
3. Address of Operator 6101 Holiday Hill Road Midland, TX 79707	
4. Well Location Unit Letter <u>D</u> : <u>820</u> feet from the <u>North</u> line and <u>1310</u> feet from the <u>East</u> line Section <u>1</u> Township <u>T17S</u> Range <u>R34E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4040' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

Notify OCD 24 hrs. prior to any work  
done. [gilbert.cordero@emnrd.nm.gov](mailto:gilbert.cordero@emnrd.nm.gov)

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Fasken Oil and Ranch, Ltd would like to propose to Plug and Abandon this wellbore.  
Attached is the Wellbore Diagram and the procedure

SEE CHANGES TO PROCEDURE

Spud Date:

Rig Release Date:

\*\*\*SEE ATTACHED COA's\*\*\*

MUST BE PLUGGED BY 7/1/26

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Viola Vasquez TITLE Regulatory Analyst DATE 07/17/2025

Type or print name Viola Vasquez E-mail address: violav@forl.com PHONE: 432-687-1777

**For State Use Only**

APPROVED BY: [Signature] TITLE Staff Manager DATE 7/30/25  
Conditions of Approval (if any):

**Buckeye 1 State No. 1**  
**820' FNL & 1310' FWL**  
**Section 1, T17S, R34E**  
**Lea County, New Mexico**  
**30-025-36333**  
**A.F.E. 4887**

<b>OBJECTIVE:</b>	Plug and Abandon
<b>WELL DATA:</b>	
13-3/8" 48# H-40 casing:	Set at 496'. Cmt with 550 sx "C" (14.8 ppg). TOC surface, circ 64 sx
9-5/8" 36#, 40# J-55, HCK-55 casing:	Set at 4991'. Cmt with 1200 sx Howco Interfill (11.9 ppg) + 200 sx "C" (14.8 ppg). TOC 450' FS per temp survey
5-1/2" 17#, 20# L-80 casing:	Set 12,198', DV tool at 9611'. Cmt 1 <sup>st</sup> stg with 800 sx Howco Super "H" (13.0 ppg). Circ 109 sx above DV tool. Cmt 2 <sup>nd</sup> stg with 1200 sx Hal Lite "C" (12.6 ppg) + 200 sx "C" (15.6 ppg)
TD:	12,600'
PBTD:	11,823' (cmt on top of CIBP)
Perfs:	10,578' – 10,637' (Wolfcamp, active) 11,914' – 11,938' (Atoka, inactive)

**All plug mud to be mixed at 25 sx per 100 bbls water.**

- Notify NMOCD representative with plans to begin P&A 48 hours prior to rigging up. Record job number.**
- Be sure mast anchors have been tested and tagged within last 2 years.
- Set (1) 500 bbl frac tank and (1) 250 bbl half frac tank. Lay steel line from wellhead to half frac tank.
- MIRU pulling unit. Spot 2 sets of pipe racks and catwalk. Unseat pump and POW laying down rods. Send pump in to pump shop.
- Bleed down any pressure from tubing and casing. Control flow with brine water if necessary. NDWH and NU 3k manual BOP with 2-3/8" pipe rams. Function test BOP. POW laying down production tubing. Take delivery of +/- 10,600' 2-3/8" L-80 work string. Clean threads and tally tubing.
- RUWL and packoff. RIW with 4.5" gauge ring and junk basket to +/- **11800'**. POW and LD tools.
- Spot 30 sx cmt on plug at 11823' - T Strawn, Canyon & Cisco - WOC & Tag**
- Spot 15 sx cmt 11190' - 11090' - T Penn - WOC & Tag**
- RIW with 5-1/2" 10k CIBP, setting tool, and CCL. Correlate to Computalog GR/CCL log dated 3/4/2004 (marker joint at +/- 10,460' – 10,467'). Set CIBP at +/- 10,530' (minimum 5' away from casing collar). POW and LD setting tool. **Test Casing 500psi/30min - Bubble Test - Run CBL 10530' to Surface**
- RIW and dump bail **4** sx Class "H" cement on top of CIBP. POW and LD dump bailer.
- Load well with fresh water. Note volume to load well. Report results to Midland office and NMOCD.

**APPROVED**  
**GC 7/30/30**

CLH

M:\Common\Wellfile\B\Buckeye 1 State No. 1\Engineering\AFE 4887- P&amp;A\Buckeye1State1.PlugAndAbandon.Proc.doc

11. RIW with 2-3/8" notched collar, 2-3/8" seating nipple, and 2-3/8" tubing. Tag TOC at +/- 10,495' or higher. Report results to Midland office and NMOCD. Proceed to next step after Midland office and NMOCD approval.

12. Pick up 5' and spot 125 bbls 9.5 ppg plug mud from 10,510' up to 5200'. POW laying down tubing to set EOT at 9980'.

#### Wolfcamp Plug

13. Establish conventional circulation. Mix and spot 20 sx Class "H" cement (1.06 ft3/sx) and displace to +/- 9830' with 9.5 ppg plug mud.

14. POW laying down tubing to set EOT at +/- 9641'.

#### 5-1/2" DV Tool Plug

15. Establish conventional circulation. Mix and spot 20 sx Class "H" cement (1.06 ft3/sx) and displace to +/- 9480' with 9.5 ppg plug mud.

16. POW laying down tubing to set EOT at +/- 8500'.

#### Bone Spring Plug

17. Establish conventional circulation. Mix and spot 45 sx Class "H" cement (1.06 ft3/sx) and displace to +/- 8150' with 9.5 ppg plug mud.

18. Spot 25 sx cmt 7593' - 7393' - T Drinkard, Tubb

19. POW laying down tubing to set EOT at +/- 5200'.

#### Intermediate Shoe Plug

20. Establish conventional circulation. Mix and spot 35 sx Class "C" cement (1.32 ft3/sx) and displace to +/- 4850' with 9.5 ppg plug mud.

21. POW laying down tubing to set EOT at +/- 4750'. Displace remainder of well with 110 bbls 9.5 ppg plug mud.

#### San Andres Plug

22. Establish conventional circulation. Mix and spot 15 sx Class "C" cement (1.32 ft3/sx) and displace to +/- 4600' with 9.5 ppg plug mud.

23. POW laying down tubing to set EOT at +/- 4000'.

#### Queen Plug

24. Establish conventional circulation. Mix and spot 15 sx Class "C" cement (1.32 ft3/sx) and displace to +/- 3850' with 9.5 ppg plug mud.

25. POW laying down tubing to set EOT at +/- 3050'.

#### Base Salt Plug

26. Establish conventional circulation. Mix and spot 15 sx Class "C" cement (1.32 ft3/sx) and displace to +/- 2900' with 9.5 ppg plug mud.

27. POW laying down tubing to set EOT at +/- 1700'.

#### Rustler Plug

27. Establish conventional circulation. Mix and spot 15 sx Class "C" cement (1.32 ft<sup>3</sup>/sx) and displace to +/- 1550' with 9.5 ppg plug mud.
28. POW laying down tubing to set EOT at +/- 546'.

#### Surface Casing Shoe Plug

29. Establish conventional circulation. Mix and spot 15 sx class "C" cement (1.32 ft<sup>3</sup>/sx) and displace to +/- 396' with 9.5 ppg plug mud.
30. POW laying down all tubing.

#### Surface/Groundwater Plug

31. ND BOP and tubing head. Spear into 5-1/2" casing, pick up on casing and remove slips from wellhead. Install temporary slips and disengage spear.
32. RUWL and attempt to back off casing at 330' with string shot.
33. NU BOP and change pipe rams in BOP to 5-1/2". RU casing crew. POW laying down 5-1/2" and backhaul for inspection.
34. RUWL and packoff. RIW and perforate squeeze holes in 9-5/8" casing at +/- 380'. POW and RDWL.
35. PU 1 joint tubing and 9-5/8" AD-1 tension packer. Set packer. Ensure 13-3/8" casing is plumbed to tank. Establish circulation through squeeze holes via 2-3/8" tubing. Mix and pump 185 sx Class "C" cement (1.32 ft<sup>3</sup>/sx). Continue pumping cement until cement verified in returns from 9-5/8" x 13-3/8" annulus.
36. Release packer, POW and LD 1 joint tubing and packer.
37. Backfill 9-5/8" casing with Class "C" cement if necessary. Perform bubble test and report results to Midland office and NMOCD.
38. ND BOP, RDPU, and release all rental equipment.
39. Empty tanks, cut off mast anchors, and clean location.
40. Cut off casing 3' below ground level. Verify cement to surface on all casing strings.
41. Weld cap and dry hole marker on top of 13-3/8" casing stub. Install 1" 2000 psi ball valve on top of dry hole marker. Marker plate should contain the following information:

Fasken Oil and Ranch, Ltd.

Buckeye 1 State No. 1

Section 1, T17S, R34E

820' FNL & 1310' FWL
42. Remediate location as per NMOCD requirements.

**State of New Mexico**  
**Energy, Minerals and Natural Resources Department**  
**Oil Conservation Division**  
**Standard Plugging Conditions**



This document provides OCD's general plugging conditions of approval. It should be noted that the list below may not cover special plugging programs in unique and unusual cases, and OCD expressly reserves the right to impose additional requirements to the extent dictated by project conditions. The OCD also reserves the right to approve deviations from the below conditions if field conditions warrant a change. A C-103F NOI to P&A must be approved prior to plugging operations. Failure to comply with the conditions attached to a plugging approval may result in a violation of 19.15.5.11 NMAC, which may result in enforcement actions, including but not limited to penalties and a requirement that the well be re-plugged as necessary.

1. Notify OCD office at least 24 hours before beginning work and seek prior approval to implementing any changes to the C-103 NOI to PA.
  - North Contact, Monica Kuehling, 505-320-0243, [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)
  - South Contact, Gilbert Cordero, 575-626-0830, [gilbert.cordero@emnrd.nm.gov](mailto:gilbert.cordero@emnrd.nm.gov)
2. A Cement Bond Log is required to ensure strata isolation of producing formations, protection of water and correlative rights. A CBL must be run or be on file that can be used to properly evaluate the cement behind the casing.

Note: Logs must be submitted to OCD via OCD permitting. A copy of the log may be emailed to OCD inspector for faster review times, but emailing does not relieve the operators obligation to submit through OCD permitting.

3. Once Plugging operations have commenced, the rig must not rig down until the well is fully plugged without OCD approval. If gap in plugging operations exceeds 30 days, the Operator must file a subsequent sundry of work performed and revised NOI for approval on work remaining. At no time shall the rig be removed from location if it will result in waste or contamination of fresh water.
4. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
5. Fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
  - North, water or mud laden fluids
  - South, mud laden fluids
6. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to an OCD permitted disposal facility.
7. Class of cement shall be used in accordance with the below table for depth allowed.

Class	TVD Lower Limit (feet)
Class A/B	6,000
Class I/II	6,000
Class C or III	6,000
Class G and H	8,000
Class D	10,000

Class E	14,000
Class F	16,000

8. After cutting the well head any "top off cement jobs" must remain static for 30 minutes. Any gas bubbles or flow during this 30 minutes shall be reported to the OCD for approval of next steps.
9. Trucking companies being used to haul oilfield waste fluids (Commercial or Private) to a disposal facility shall have an approved OCD C-133 permit.
  - A copy of this permit shall be available in each truck used to haul waste products.
  - It is the responsibility of the Operator and Contractor to verify that this permit is in place prior to performing work.
  - Drivers shall be able to produce a copy upon request of an OCD Compliance Officer.
10. Filing a [C-103] Sub. Plugging (C-103P) will serve as notification that the well has been plugged.
11. A [C-103] Sub. Release After P&A (C-103Q) shall be filed no later than a year after plugging and a site inspection by OCD Compliance officer to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to meet OCD standards before bonding can be released.
12. Produced water or brine-based fluids **may not** be used during any part of plugging operations without **prior OCD approval**.
13. Cementing;
  - All cement plugs will be neat cement and a minimum of 100' in length. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
  - If cement does not exist between or behind the casing strings at recommended formation depths, the casing perforations will be shot at 50' below the formation top and the cement retainer shall be set no more than 50' from the perforations.
  - WOC (Wait on Cement) time will be:
    - 4 hours for accelerated (calcium chloride) cement.
    - 6 hours on regular cement.
  - Operator must tag all cement plugs unless it meets the below condition.
    - The operator has a passing pressure test for the casing annulus and the plug is only an inside plug.
  - If perforations are made operator must tag all plugs using the work string to tag unless given approval to tag with wireline by the correct contact from COA #1 of this document.
    - This includes plugs pumped underneath a cement retainer to ensure retainer seats properly after cement is pumped.
  - Cement can only be bull-headed with specific prior approval.
  - Squeeze pressures are not to exceed the exposed formations frac gradient or the burst pressure of the casing.
14. A cement plug is required to be set from 50' below to 50' above (straddling) formation tops, casing shoes, casing stubs, any attempted casing cut offs, anywhere the casing is perforated, DV tools.
  - Perforation/Formation top plug. (When there is less than 100ft between the top perforation to the formation top.) These plugs are required to be started no greater than

50ft from the top perforation. However, the plug should be set below the formation top or as close to the formation top as possible for the maximum isolation between the formations. The plug is required to be a 100ft cement plug plus excess.

- Perforation Plug when a formation top is not included. These plugs are required to be started within 50ft of the top perforation. The plug is required to be a 100ft cement plug plus excess.
- Cement caps on top of bridge plugs or cement retainers for perforation plugs, that are not straddling a formation top, may be set using a bailer with a minimum of 35' of cement in lieu of the 100' plug. The bridge plug or retainer must be set within 50ft of the perforations.
- Perforations are required below the surface casing shoe if cement does not exist behind the casing, a 30-minute minimum wait time will be required immediately after perforating to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. If gas is detected contact the OCD office for directions.

15. No more than 3000 feet is allowed between cement plugs in cased hole and no more than 2000 feet is allowed in open hole.

16. Formation Tops to be isolated with cement plugs, but not limited to are:

- Northwest See Figure A
- South (Artesia) See Figure B
- Potash See Figure C
  - In the R-111-P (Or as subsequently revised) Area a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- South (Hobbs) See Figure D1 and D2
- Areas not provided above will need to be reviewed with the OCD on a case by case basis.

17. Markers

- Dry hole marker requirements 19.15.25.10.

The operator shall mark the exact location of plugged and abandoned wells with a steel marker not less than four inches in diameter set in cement and extending at least four feet above mean ground level. The marker must include the below information:

  1. Operator name
  2. Lease name and well number
  3. API number
  4. Unit letter
  5. Section, Township and Range
- AGRICULTURE (Below grade markers)

In Agricultural areas a request can be made for a below ground marker. For a below ground marker the operator must file their request on a C-103 notice of intent, and it must include the following;

  - A) Aerial photo showing the agricultural area
  - B) Request from the landowner for the below ground marker.



C) Subsequent plugging report for a well using a below ground marker must have an updated C-102 signed by a certified surveyor for SHL.

Note: A below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to OCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to OCD. OCD requires a current survey to verify the location of the below ground marker, however OCD will accept a GPS coordinate that were taken with a GPS that has an accuracy of within 15 feet.

18. If work has not commenced within 1 year of the approval of this procedure, the approval is automatically expired. After 1 year a new [C-103] NOI Plugging (C-103F) must be submitted and approved prior to work.



Figure A

North Formations to be isolated with cement plugs are:

- San Jose
- Nacimiento
- Ojo Alamo
- Kirtland
- Fruitland
- Picture Cliffs
- Chacra (if below the Chacra Line)
- Mesa Verde Group
- Mancos
- Gallup
- Basin Dakota (plugged at the top of the Graneros)
- Deeper formations will be reviewed on a case-by-case basis

Figure B

South (Artesia) Formations to be isolated with cement plugs are:

- Fusselman
- Montoya
- Devonian
- Morrow
- Strawn
- Atoka
- Permo-Penn
- Wolfcamp
- Bone Springs
- Delaware , in certain areas where the Delaware is subdivided into;
  - 1. Bell Canyon
  - 2. Cherry Canyon
  - 3. Brushy Canyon
- Any salt sections
- Abo
- Yeso
- Glorieta
- San Andres
- Greyburg
- Queen
- Yates

Figure D1 and D2

South (Hobbs) Formations to be isolated with cement plugs are:

The plugging requirements in the Hobbs Area are based on the well location within specific areas of the Area (See Figure D1). The Formations in the Hobbs Area to be isolated with cement plugs are (see Figure D2)

Figure D1 Map

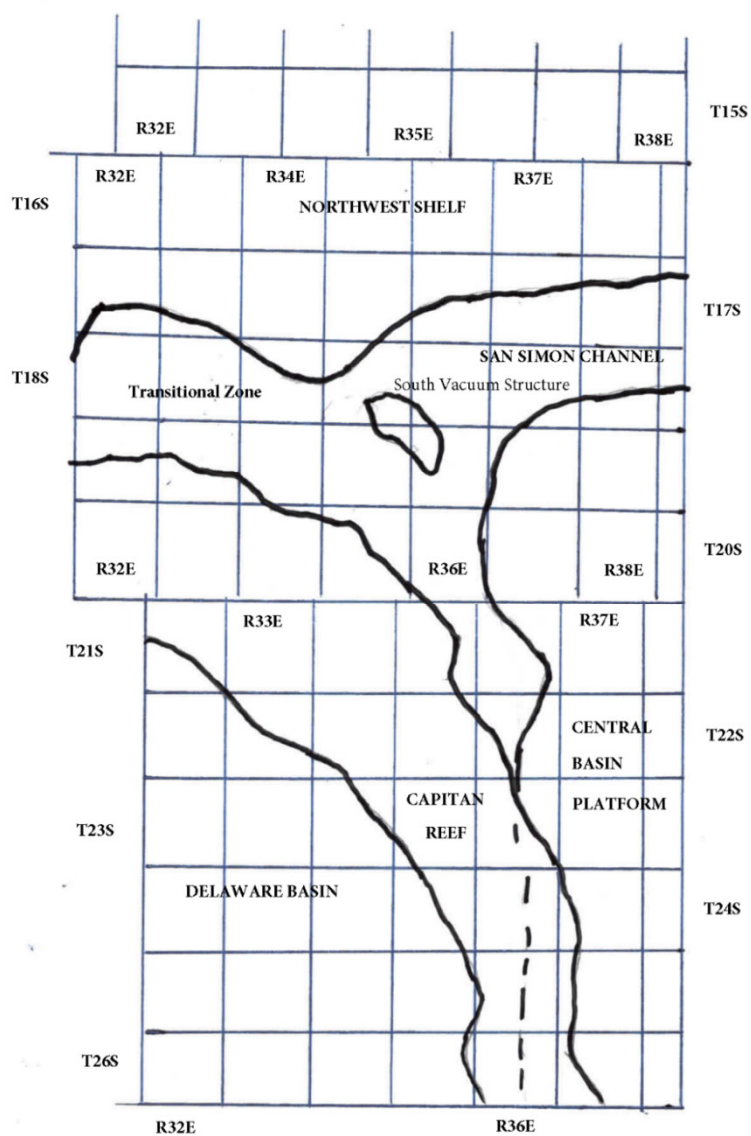


Figure D2 Formation Table

100' Plug to isolate upper and lower fresh water zones (typically 250' to 350')						
Northwest Shelf	Captan Reef Area	Transition Zone	San Simon Channel	South Vacuum Structure	Delaware Basin	Central Basin Platform
Granit Wash (Detrital basement material and fractured pre-Cambrian basement rock)	Siluro-Devonian	Morrow	Siluro-Devonian	Ellenburger	Siluro-Devonian	Granit Wash (Detrital basement material, fractured pre-Cambrian basement rock and fracture Mafic Volcanic intrusives).
Montoya	Mississippian	Atoka	Morrow	McKee	Morrow	Ellenburger
Fusselman	Morrow	Strawn	Wolfcamp	Siluro-Devonian	Atoka	Connell
Woodford	Atoka	Cisco	Abo Reef	Woodford	Strawn	Waddell
Siluro-Devonian	Strawn	Pennsylvanian	Bone Spring	Mississippian	Pennsylvanian	McKee
Chester	Pennsylvanian	Wolfcamp	Delaware	Barnett Shale	Lower Wolfcamp	Simpson Group
Austin	Wolfcamp	Bone Spring	San Andres	Morrow	Upper Wolfcamp	Montoya
Mississippian	Abo Reef, if present	Delaware	Queen	Atoka	Wolfcamp	Fusselman
Morrow	Abo, if present	San Andres	Yates	Strawn	Third Bone Spring Sand (Top of Wolfbone)	Silurian
Atoka	Queen, if present	Grayburg-San Andres	Base of Salt	Canyon	First Bone Spring Sand (Top of Lower Bone Spring)	Devonian
Lower Pennsylvanian	Bone Spring	Queen	Rustler	Pennsylvanian	Bone Spring	Strawn
Cisco-Canyon	Delaware	Seven Rivers		Blinbry	Brushy Canyon	Pennsylvanian
Pennsylvanian	Base Capitan Reef	Yates		Bone Spring	Delaware (Base of Salt)	Wolfcamp
Bough	Seven Rivers	Base of Salt		San Andres	Rustler	Abo
Wolfcamp	Yates	Rustler		Queen		Abo Reef
Abo	Top Capitan Reef			Base of Salt		Drinkard
Abo Reef, if present	Base of Salt			Rustler		Tubb
Yeso (Township 15 South to Township 17 South)	Rustler					Blinbry
Drinkard or Lower Yeso (Township 15 South to Township 17 South)						Paddock
Tubb (Township 15 South to Township 17 South)						Glorieta
Blinbry (Township 15 South to Township 17 South)						San Andres
Paddock (Township 15 South to Township 17 South)						Grayburg
Glorieta						Grayburg-San Andres
San Andres						Queen
Queen (Township 15 South to Township 17 South)						Seven Rivers
Seven Rivers (Township 15 South to Township 17 South)						Yates
Yates (Township 15 South to Township 17 South)						Base of Salt
Base of Salt						Rustler
Rustler						

EXHIBIT "A"  
CASE 9316  
ORDER R-111-P

CONSOLIDATED LAND DESCRIPTION OF THE KNOWN POTASH  
LEASING AREA, AS OF FEBRUARY 3, 1988

EDDY COUNTY, NEW MEXICO

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM

Section 10: SE/4 SE/4  
Section 11: S/2 SW/4  
Section 13: W/2 SW/4 and SE/4 SW/4  
Section 14: W/2 NE/4, NW/4 and S/2  
Section 15: E/2 NE/4, SE/4 SW/4 and SE/4  
Section 22: N/2, N/2 SW/4, SE/4 SW/4 and SE/4  
Section 23: All  
Section 24: N/2 NW/4, SW/4 NW/4 and NW/4 SW/4  
Section 26: NE/4, N/2 NW/4 and SE/4 NW/4  
Section 27: N/2 NE/4 and NE/4 NW/4

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM

Section 11: SE/4 SE/4  
Section 12: SE/4 NE/4 and S/2  
Section 13: All  
Section 14: NE/4, SE/4 NW/4 and S/2  
Section 15: SE/4 SE/4  
Section 22: NE/4, E/2 W/2 and SE/4  
Section 23: All  
Section 24: All  
Section 25: NW/4 NW/4  
Section 26: N/2 NE/4 AND NW/4  
Section 27: NE/4 AND E/2 NW/4

TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM

Section 2: SW/4  
Section 3: W/2 SW/4, SE/4 SW/4, S/2 SE/4 and  
NE/4 SE/4  
Section 4: Lots 3 and 4. SW/4 NE/4, S/2 NW/4  
and S/2  
Section 5: Lots 1, 2. and 3, S/2 NE/4,  
S/2 NW/4 and S/2  
Section 6: S/2 SE/4 and NE/4 SE/4  
Sections 7 to 10 inclusive  
Section 11: S/2 NE/4, NW/4 NW/4 and S/2  
Section 12: NE/4, S/2 NW/4 and S/2  
Section 13: NE/4, W/2, N/2 SE/4 and SW/4 SE/4  
Sections 14 to 18 inclusive  
Section 19: Lots 1, 2, and 3, NE/4, E/2 NW/4,  
NE/4 SW/4, E/2 SE/4 and  
NW/4 SE/4  
Sections 20 to 23 inclusive

Section 24: NW/4. NW/4 SW/4 and S/2 SW/4

Section 25: NW/4 NW/4  
 Section 26: NE/4 NE/4, W/2 NE/4, W/2, W/2 SE/4  
 and SE/4 SE/4  
 Section 27: All  
 Section 28: All  
 Section 29: E/2, E/2 NW/4 and NW/4 NW/4  
 Section 32: E/2 and SE/4 SW/4  
 Section 33 to 35 inclusive  
 Section 36: NW/4 NW/4, S/2 NW/4 and S/2

**TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM**

Section 7: Lots 1, 2, and 3 and E/2 NW/4  
 Section 18: Lots 1, 2, and 3 and SW/4 NE/4,  
 E/2 NW/4 and NE/4 SW/4  
 Section 31: Lot 4  
 Section 34: SE/4 SE/4  
 Section 35: S/2 SW/4 and SW/4 SE/4  
 Section 36: S/2 SE/4

**LEA COUNTY, NEW MEXICO**

**TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM**

Section 31: Lot 4  
 Section 33: Lots 1 to 4 inclusive and N/2 S/2  
 Section 34: Lots 1 to 4 inclusive and N/2 S/2  
 Section 35: Lots 1 to 4 inclusive and N/2 S/2  
 Section 36: Lots 1 to 4 inclusive, SE/4 NE/4,  
 NW/4 SW/4 and NE/4 SE/4

**TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM**

Section 22: SE/4 NE/4, E/2 SW/4 and SE/4  
 Section 23: S/2 NW/4, SW/4, W/2 SE/4 and  
 SE/4 SE/4  
 Section 25: SW/4 NW/4, W/2 SW/4 and SE/4 SW/4  
 Section 26: All  
 Section 27: All  
 Section 28: S/2 SE/4 and NE/4 SE/4  
 Section 30: Lots 2 to 4 inclusive, S/2 NE/4,  
 SE/4 NW/4, E/2 SW/4 and SE/4  
 Section 31: All  
 Section 32: NE/4, S/2 NW/4 and S/2  
 Sections 33 to 35 inclusive  
 Section 36: W/2 NE/4, SE/4 NE/4, NW/4 and S/2

**TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM**

Section 31: Lots 3 and 4



## EDDY COUNTY, NEW MEXICO

**TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM**

Section 1: SE/4 NE/4 and E/2 SE/4  
 Section 13: SW/4 NW/4, W/2 SW/4 AND SE/4 SW/4  
 Section 14: NW/4 NE/4, S/2 NE/4, NW/4 and S/2  
 Section 15: E/2 E/2, SE/4 SW/4 and W/2 SE/4  
 Section 22: E/2 and E/2 NW/4  
 Section 23: All  
 Section 24: SW/4 NE/4, W/2, W/2 SE/4  
                     and SE/4 SE/4  
 Section 25: N/2, SW/4, W/2 SE/4 and NE/4 SE/4  
 Section 26: All  
 Section 27: E/2  
 Section 34: NE/4  
 Section 35: N/2  
 Section 36: W/2 NE/4 AND NW/4

**TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 4 inclusive  
 Section 5: Lots 1 to 3 inclusive, S/2 N/2  
                     and S/2  
 Section 6 Lots 5, 6, and 7, S/2 NE/4, E/2 SW/4  
                     and SE/4  
 Section 7 Lots 1 and 2. E/2 and E/2 NW/4  
 Sections 8 to 17 inclusive  
 Section 18 E/2  
 Section 19 E/2 and SE/4 SW/4  
 Sections 20 to 29 inclusive  
 Section 30: Lots 1 to 3 inclusive, E/2 and  
                     E/2 W/2  
 Section 31 E/4 and E/2 SE/4  
 Sections 32 to 35 inclusive

**TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM**

Section 1 Lots 1 to 3 inclusive, S/2 N/2  
                     and S/2  
 Section 2: All  
 Section 3: Lots 1 and 2, S/2 NE/4 and SE/4  
 Section 6: Lots 4 to 7 inclusive, SE/4 NW/4,  
                     E/2 SW/4, W/2 SE/4 and  
                     SE/4 SE/4  
 Section 7: All  
 Section 8: S/2 N/2 and S/2  
 Section 9: S/2 NW/4, SW/4, W/2 SE/4 and SE/4 SE/4  
 Section 10: E/2 and SW/4  
 Section 11 to 36 inclusive

## LEA COUNTY, NEW MEXICO

**TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM**

Sections 1 to 4 inclusive

Section 5: S/2 SE/4

Section 6: Lots 4 to 7 inclusive, SE/4 NW/4,  
E/2 SW/4 and SW/4 SE/4

Sections 7 to 36 inclusive

**TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPM**

Sections 1 to 36 inclusive

**TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM**Section 6: Lots 3 to 7 inclusive, SE/4 NE/4,  
E/2SW/4, W/2 SE/4 AND  
SE/4 SE/4

Section 7: All

Section 8: SW/4, S/2 NW/4, W/2 SE/4 and  
SE/4 SE/4Section 16: W/2 NW/4, SE/4 NW/4, SW/4 and  
S/2 SE/4

Sections 17 to 21 inclusive

**Section 22:** N/2 NW/4, SW/4 NW/4, W/2 SE/4,  
and SE/4 SE/4

Section 26: SW/4, W/2 SE/4 and SE/4 SE/4

Sections 27 to 35 inclusive

Section 36: SW/4 NW/4 and W/2 SW/4

## EDDY COUNTY, NEW MEXICO

**TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM**

Sections 1 to 3 inclusive

Section 4: Lots 1 through 16, NE/4 SW/4 and  
SE/4

Section 5: Lot 1

Section 10: N/2 NE/4, SE/4 NE/4 and SE/4 SE/4

Sections 11 to 14 inclusive

**Section 15:** E/2 NE/4 and NE/4 SE/4

Section 23: N/2 NE/4

Section 24: E/2, N/2NW/4 and SE/4NW/4

Section 25: NE/4 NE/4 and S/2 SE/4

Section 35: Lots 2 to 4 inclusive, S/2 NE/4,  
NE/4 SW/4 and N/2 SE/4Section 36: Lots 1 to 4 inclusive, NE/4,  
E/2 NW/4 AND N/2 S/2**TOWNSHIP 21 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 36 inclusive

**TOWNSHIP 21 SOUTH, RANGE 31 EAST, NMPM**  
Sections 1 to 36 inclusive**LEA COUNTY, NEW MEXICO****TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPM**

Sections 1 to 27 inclusive

Section 28: N/2 and N/2 S/2

Sections 29 to 31 inclusive

**Section 32:** NW/4 NE/4, NW/4 and NW/4 SW/4

Section 34: N/2 NE/4

Section 35: N/2 N/2

Section 36: E/2, N/2 NW/4, SE/4 NW/4 and  
NE/4 SW/4**TOWNSHIP 21 SOUTH, RANGE 33 EAST, NMPM**Section 1: Lots 2 to 7 inclusive, Lots 10  
to 14 inclusive, N/2 SW/4 and  
SW/4 SW/4

Sections 2 to 11 inclusive

**Section 12:** NW/4 NW/4 and SW/4 SW/4

Section 13: N/2 NW/4, S/2 N/2 and S/2

Sections 14 to 24 inclusive

Section 25: N/2. SW/4 and W/2 SE/4

Sections 26 to 30 inclusive

Section 31: Lots 1 to 4 inclusive, NE/4,  
E/2 W/2, N/2 SE/4 and  
SW/4 SE/4

Section 32: N/2 and NW/4 SW/4

Section 33: N/2

Section 34: NE/4, N/2 NW/4 and E/2 SE/4

**Section 35:** All

Section 36: W/2 NE/4, NW/4 and S/2

**TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM****Section 17:** W/2**Section 18:** AllSection 19: Lots 1 to 4 inclusive, NE/4,  
E/2 W/2, N/2 SE/4 and  
SW/4 SE/4**Section 20:** NW/4 NW/4

Section 30: Lots 1 and 2 and NE/4 NW/4

Section 31: Lots 3 and 4

**EDDY COUNTY, NEW MEXICO****TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM**

Section 36: E/2 E/2

**TOWNSHIP 22 SOUTH, RANGE 29 EAST, NMPM**

Sections 1 and 2 inclusive  
Section 3 SE/4 SW/4 and SE/4  
Section 9 S/2 NE/4 and S/2  
Sections 10 to 16 inclusive  
Section 17 S/2 SE/4  
Section 19 SE/4 NE/4 and E/2 SE/4  
Sections 20 to 28 inclusive  
Section 29 N/2 N/2, S/2 NE/4 and SE/4  
Section 30 NE/4 NE/4  
Section 31 Lots 1 to 4 inclusive, S/2 NE/4,  
E/2 W/2 and SE/4  
Sections 32 to 36 inclusive

**TOWNSHIP 22 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 36 inclusive

**TOWNSHIP 22 SOUTH, RANGE 31 EAST, NMPM**

Sections 1 to 11 inclusive  
Section 12: NW/4 NE/4, NW/4 and NW/4 SW/4  
Section 13: S/2 NW/4 and SW/4  
Sections 14 through 23 inclusive  
Section 24: W/2  
Section 25: NW/4  
Section 26: NE/4 AND N/2 NW/4  
Sections 27 to 34 inclusive

**LEA COUNTY, NEW MEXICO**

**TOWNSHIP 22 SOUTH, RANGE 32 EAST, NMPM**

Section 1: Lot 1  
Section 6: Lots 2 to 7 inclusive and SE/4 NW/4

**TOWNSHIP 22 SOUTH, RANGE 33 EAST NMPM**

Section 1: Lots 1 to 4 inclusive, S/2 N/2 and  
N/2 S/2

Section 2: All  
Section 3: Lot 1, SE/4 NE/4 and SE/4  
Section 6: Lot 4  
Section 10: NE/4  
Section 11: NW/4 NE/4 AND NW/4

**TOWNSHIP 22 SOUTH, RANGE 34 EAST NMPM**

Section 6: Lots 4 to 6 inclusive

## EDDY COUNTY, NEW MEXICO

**TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM**

Section 1: Lot 1

**TOWNSHIP 23 SOUTH, RANGE 29 EAST, NMPM**

Sections 1 to 5 inclusive

**Section 6:** Lots 1 to 6 inclusive, S/2 NE/4,  
SE/4 NW/4, E/2 SW/4 and SE/4

Section 7: NE/4 and NE/4 NW/4

**Section 8:** N/2, N/2 SW/4, SE/4 SW/4 and SE/4

Sections 9 to 16 inclusive

Section 17: NE/4 and E/2 SE/4

Sections 21 to 23 inclusive

Section 24: N/2, SW/4 and N/2 SE/4

Section 25: W/2 NW/4 and NW/4 SW/4

Section 26: All

Section 27: All

Section 28: N/2, N/2 SW/4, SE/4 SW/4 and SE/4

Section 33: N/2 NE/4 and NE/4 NW/4

Section 34: NE/4, E/2 NW/4, NW/4 NW/4,  
NE/4 SW/4 and SE/4

Section 35: All

Section 36: W/2 NE/4, NW/4 and N/2 SW/4

**TOWNSHIP 23 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 18 inclusive

Section 19: N/2, N/2 SW/4, SE/4 SW/4 and SE/4

Section 20: All

Section 21: All

Section 22: N/2, S/2 SW/4, N/2 S/2 and SE/4 SE/4

Sections 23 to 25 inclusive

Section 26: E/2, SE/4 NW/4 and SW/4

Section 27: N/2 NW/4, SW/4 NW/4, SE/4 SW/4,  
S/2 SE/4 and NE/4 SE/4

Section 28: N/2 and SW/4 Section 29 N/2 and SE/4

Section 30: N/2 NE/4

Section 32: N/2 NE/4

Section 33: SE/4 NE/4, N/2 NW/4, NE/4 SE/4  
and S/2 SE/4

Sections 34 to 36 inclusive

**TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM****Section 2:** Lot 4, SW/4 NW/4 and W/2 SE/4

Sections 3 to 7 inclusive

Section 8: NE/4 NE/4, W/2 NE/4 and W/2

**Section 9:** N/2 N/2

Section 10: NW/4 NW/4 and SE/4 SE/4

Section 11: S/2 NE/4, S/2 SW/4 and SE/4

**Section 12:** SW/4 NW/4 and SW/4  
**Section 13:** SW/4 **NE/4**, W/2 and W/2 SE/4  
**Section 14:** All  
**Section 15:** E/2, SE/4 NW/4 and **SW/4**  
**Section 16:** SW/4 and S/2 SE/4  
**Section 17:** NW/4 and S/2  
**Sections 18 to 23 inclusive**  
**Section 24:** W/2 NE/4 and W/2  
**Section 25:** W/2 NE/4, NW/4, N/2 SW/4 and  
NW/4 SE/4  
**Section 26 to 34 inclusive**  
**Section 35:** N/2 NW/4 and SW/4 NW/4

**TOWNSHIP 24 SOUTH, RANGE 29 EAST, NMPM**

**Section 2:** Lots 2 to 4 inclusive  
**Section 3:** Lot 1

**TOWNSHIP 24 SOUTH, RANGE 30 EAST, NMPM**

**Section 1:** Lots 1 to 4 inclusive, S/2 N/2,  
SW/4 and NW/4 SE/4  
**Section 2:** All  
**Section 3:** All  
**Section 4:** Lots 1 and 2, S/2 NE/4, SE/4 NW/4,  
SW/4 SW/4, E/2 SW/4 and SE/4  
**Section 9:** N/2, N/2 SW/4, SE/4 SW/4 and SE/4  
**Section 10:** All  
**Section 11:** All  
**Section 12:** W/2 NW/4 and NW/4 SW/4  
**Section 14:** W/2 NE/4 and **NW/4**  
**Section 15:** NE/4 and N/2 NW/4

**TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM**

**Section 3:** Lots 2 to 4 inclusive, SW/4 NE/4,  
S/2 NW/4, SW/4 and W/2 SE/4  
**Section 4:** All  
**Section 5:** Lots 1 to 4 inclusive, S/2 N/2,  
N/2 S/2 and SE/4 SE/4  
**Section 6:** Lots 1 to 6 inclusive, S/2 NE/4,  
SE/4 NW/4, NE/4 SW/4 and  
N/2 SE/4  
**Section 9:** E/2 and NW/4  
**Section 10:** W/2 NE/4 and W/2  
**Section 35:** Lots 1 to 4 inclusive, S/2 N/2 and  
N/2 S/2  
**Section 36:** Lots 1 and 2, SW/4 NW/4 and N/2 SW/4

**TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM**

**Section 1:** Lots 3 and 4 and S/2 NW/4  
**Section 2:** Lots 1 to 4 inclusive and S/2 N/2

Well: **Buckeye "1" State No. 1**Operator: **Fasken Oil and Ranch, Ltd.**Location: 820' FNL and 1310' FWL  
Sec 1, T17S, R34E  
Lea County, NM

Compl.: 10/22/2003 released rig

API #: 30-025-36333

TD: 12,600'

PBSD: 12,149' KB Float Collar

Casing: 13-3/8" 48# H-40 @ 496.03'  
w/550 sx "C", circ 64 sx  
13-3/8" TOC surf  
9-5/8" 36&40# K-55 @ 4990.77' KB  
w/1200sx Howco Interfill w/8# salt  
9-5/8" TOC 450'  
5-1/2" 17&20# L-80 @ 12,198.14'  
1st stg 800sx Howco Super "H",  
Circ 109 sx thru DV  
2nd stg 1200 sx Howco Lite  
+ 200 sx "C"

TOC: 5-1/2" TOC 370' by Temp

DV: 9610.91'

## Tubing Detail

2-3/8" wireline entry guide	0.46
Pkr: Arrowset I 10k @ 11,800'	7.20
TOSD w/1.781" "F" prof	1.71
334 jts 2-3/8" EUE 8rd N-80 tbg	10470.55
KB	31.00
Slcak off	-5.00
EOT	10505.92

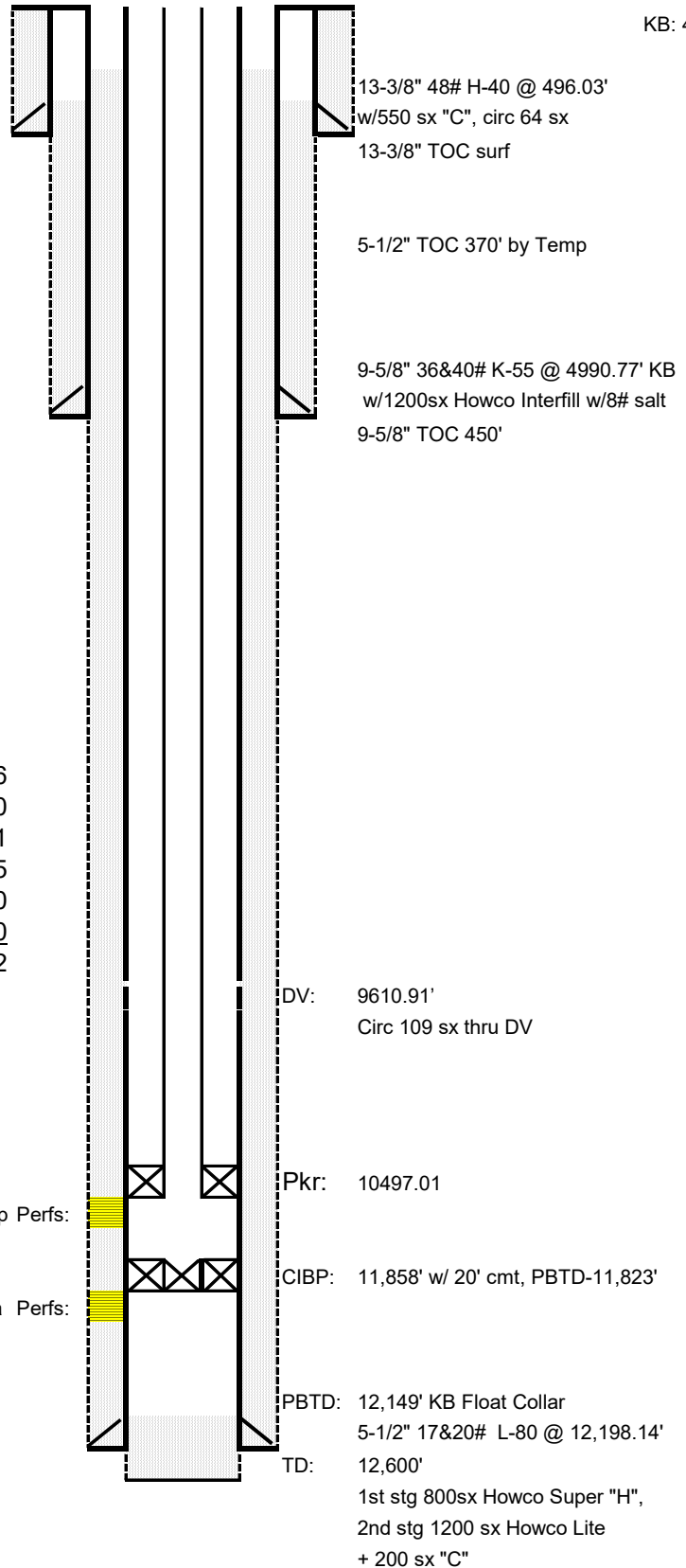
## Perfs:

Wolfcamp 10578'-80' (3h)  
10591',10602' (2h)  
10605',07',24' (3h)  
10630',32',35',37' (4h)  
1 jsp 0.42" EHD 120 deg

Atoka 11,914'-18' (5h)  
11,926'-28' (3h)  
11,930'-33' (4h)  
11,936'-38' (3h)

Hole Sizes 17-1/2" 498'  
12-1/4" 4990'  
8-3/4" 12,601'

38187 320 psi      328 mcf/d      131 bopd



cwb

7/17/2025

BuckeyeSt1 wb diagramrev3-8-04



Well: **Buckeye "1" State No. 1**Operator: **Fasken Oil and Ranch, Ltd.**Location: 820' FNL and 1310' FWL  
Sec 1, T17S, R34E  
Lea County, NMCompl.: 10/22/2003 released rig  
API #: 30-025-36333

TD: 12,600'

PBTD: 11,823'

Casing: **13-3/8" 48# H-40 ST&C casing set @ 496.03' KB**  
cmt w/ 550 sx "C" (14.8 ppg). TOC surface, circ 64 sx  
**9-5/8" 36#, 40# J-55, HCK-55 casing set @ 4990.77' KB**  
cmt w/ 1200sx Howco Interfill w/8# salt (11.9 ppg) + 200 sx "C" (14.8 ppg)  
9-5/8" TOC 450' FS per temp survey  
**5-1/2" 17#, 20# L-80 LT&C csg set @ 12,198.35' KB**  
cmt 1st stg w/ 800sx Howco Super "H" (13.0 ppg)  
circ 109 sx cmt above DV tool  
cmt 2nd stg w/ 1200 sx Halliburton Lite "C" (12.6 ppg) + 200 sx "C" (15.6 ppg)

TOC: 5-1/2" TOC 370' FS per temp survey

DV: 9611.12

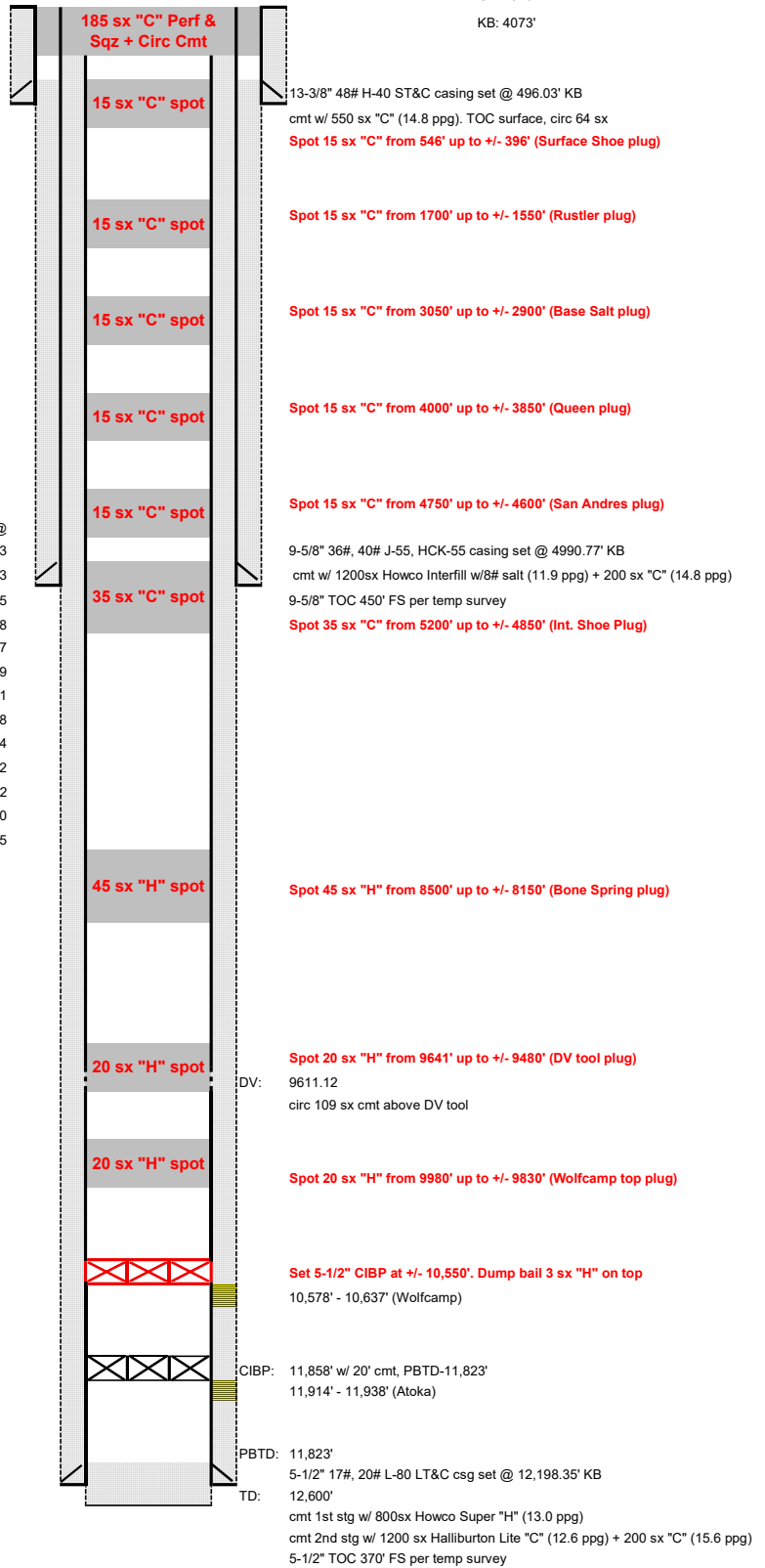
Casing Detail:	Length	Top @
(1) Howco float shoe	1.32	12197.03
(1) jt 5.5" 20# csg	47.20	12149.83
(1) Howco float collar	0.88	12148.95
(7) jts 5.5" 20# csg	329.07	11819.88
(1) 5.5" 20# marker jt	7.01	11812.87
(27) jts 5.5" 20# flint coat csg	1227.98	10584.89
(3) jts 5.5" 20# flint coat csg	94.48	10490.41
(1) 5.5" 20# marker jt	7.03	10483.38
(5) jts 5.5" 20# csg	219.54	10263.84
(14) jts 5.5" 17# csg	650.62	9613.22
(1) Halliburton DV tool	2.10	9611.12
(180) jts 5.5" 17# csg	8431.42	1179.70
(26) jts 5.5" 20# csg	1183.55	-3.85
SubTotal	12202.2	
Less Cut Off	-36.85	
	12165.35	
Below KB	33.00	
Landed @	12198.35	

Perfs: 10,578' - 10,637' (Wolfcamp) 1 jsfp, 0.41" EHD, 120 deg  
11,914' - 11,938' (Atoka) 1 jsfp strip guns, 15hHole Sizes 17-1/2" - surface - 498'  
12-1/4" - 498' - 4995'  
8-3/4" - 4995' - 12,600'Tubing Detail: 2-3/8" Collar 0.43  
2-3/8" Seating Shoe (New) 0.80  
(2) jts 2-3/8" EUE 8rd N-80 Tubing (New) 62.35  
(8) jts 2-3/8" EUE 8rd N-80 Tubing 250.42  
2-3/8" x 5-1/2" TAC- 40k shear (Exchange) 2.78  
(330) jts 2-3/8" EUE 8rd N-80 Tubing 10341.94  
Below KB 29.00  
10687.72

7/8/2025

GL: 4040'

KB: 4073'



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 485853

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 485853
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Adhere to current Plug & Abandon (P&A) Conditions Of Approvals (COA).	7/30/2025
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	7/30/2025
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	7/30/2025