

Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-025-07021
5. Indicate Type of Lease STATE [ ] FEE [x]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Owen
8. Well Number 1
9. OGRID Number 256073
10. Pool name or Wildcat WANTZ;ABO WANTZ;GRANITE WASH
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3368' GL

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.)
1. Type of Well: Oil Well [x] Gas Well [ ] Other [ ]
2. Name of Operator JR Oil Ltd. Co.
3. Address of Operator PO Box 2975 Hobbs, NM 88241
4. Well Location Unit Letter P : 660 feet from the South line and 660 feet from the East line
Section 35 Township 21S Range 37E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3368' GL

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [x]
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: [ ]

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.

- 1. MIRU plugging service.
2. Lay down tubing. J R Oil will inspect/reclaim.
3. Top off well/ mud or water, MIRU WL, perform CBL from PBTD to surface, RDMO WL.
4. RIH work string, tag PBTD, and circulate well w/ MLF.
5. Spot 25 sx cement from 3875'
a. If CBL indicates TOC is deeper than 3875' then perf @ 3875' and squeeze 50 sx cement.
b. All cement plugs shall be Class C neat unless approved by NMOCD.
6. Perforate 5-1/2 casing @ 2874' and squeeze 50 sx cement, WOC 4 hrs, and tag.
7. Perforate 5-1/2 casing @ 2540' and squeeze 50 sx cement, WOC 4 hrs and tag.
8. Perforate 5-1/2 casing @ 1245' and squeeze 50 sx cement, WOC 4 hrs and tag.
9. Perforate 5-1/2" & 8-5/8 casings @ 343' and squeeze 202 sx cement or more until cement is circulated to surface inside 5-1/2, 9-5/8x5-1/2 annulus, and 13-3/8 x 9-5/8 annulus.
10. Cut off well head 3' beneath grade, top out/ top off with cement, weld above ground marker, and back fill. Remove rig anchors.
11. Remove all underground piping and surface equipment. Remediate surface location per NMOCD.

4" Diameter 4' tall above ground marker

Spud Date: 06/26/1946

Rig Release Date:

See attached conditions of approval

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

SIGNATURE Maren Latimer TITLE Agent DATE 5/9/2023

Type or print name Maren Latimer E-mail address: mlatimer@ravenop.com PHONE: 575-691-6790
For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 5/15/23
Conditions of Approval

## CONDITIONS FOR PLUGGING AND ABANDONMENT

### OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office II at **(575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. **A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.** Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD 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 as well as the 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 NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water **will not** be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
  - A) Fusselman
  - B) Devonian
  - C) Morrow
  - D) Wolfcamp
  - E) Bone Springs
  - F) Delaware
  - G) Any salt sections
  - H) Abo
  - I) Glorieta
  - J) Yates.
  - K) Cherry Canyon - Eddy County
  - L) **Potash**---(In the R-111-P Area (Page 3 & 4), 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, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

#### DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
  2. Lease and Well Number
  3. API Number
  4. Unit Letter
  5. Quarter Section (feet from the North, South, East or West)
  6. Section, Township and Range
  7. Plugging Date
  8. County
- (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, 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 NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

#### SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

## R-111-P Area

### T 18S – R 30E

Sec 10 Unit P. Sec 11 Unit M,N. Sec 13 Unit L,M,N. Sec 14 Unit C -P. Sec 15 Unit A G,H,I,J,K,N,O,P. Sec 22 Unit All except for M. Sec 23, Sec 24 Unit C,D,E,L, Sec 26 Unit A-G, Sec 27 Unit A,B,C

### T 19S – R 29E

Sec 11 Unit P. Sec 12 Unit H-P. Sec 13. Sec 14 Unit A,B,F-P. Sec 15 Unit P. Sec 22 Unit A,B,C,F,G,H,I,J K,N,O,P. Sec 23. Sec 24. Sec 25 Unit D. Sec 26 Unit A- F. Sec 27 Unit A,B,C,F,G,H.

### T 19S – R 30E

Sec 2 Unit K,L,M,N. Sec 3 Unit I,L,M,N,O,P. Sec 4 Unit C,D,E,F,G,I-P. Sec 5 Unit A,B,C,E-P. Sec 6 Unit I,O,P. Sec 7 – Sec 10. Sec 11 Unit D, G—P. Sec 12 Unit A,B,E-P. Sec 13 Unit A-O. Sec 14-Sec 18. Sec 19 Unit A-L, P. Sec 20 – Sec 23. Sec 24 Unit C,D,E,F,L,M,N. Sec 25 Unit D. Sec 26 Unit A-G, I-P. Sec 27, Sec 28, Sec 29 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 32 Unit A,B,G,H,I,J,N,O,P. Sec 33. Sec 34. Sec 35. Sec 36 Unit D,E,F,I-P.

### T 19S – R 31E

Sec 7 Unit C,D,E,F,L. Sec 18 Unit C,D,E,F,G,K,L. Sec 31 Unit M. Sec 34 Unit P. Sec 35 Unit M,N,O. Sec 36 Unit O,P.

### T 20S – R 29E

Sec 1 Unit H,I,P. Sec 13 Unit E,L,M,N. Sec 14 Unit B-P. Sec 15 Unit A,H,I,J,N,O,P. Sec 22 Unit A,B,C,F,G,H,I,J,O,P. Sec 23. Sec 24 Unit C,D,E,F,G,J-P. Sec 25 Unit A-O. Sec 26. Sec 27 Unit A,B,G,H,I,J,O,P. Sec 34 Unit A,B,G,H. Sec 35 Unit A-H. Sec 36 Unit B-G.

### T 20S – R 30E

Sec 1 – Sec 4. Sec 5 Unit A,B,C,E-P. Sec 6 Unit E,G-P. Sec 7 Unit A-H,I,J,O,P. Sec 8 – 17. Sec 18 Unit A,B,G,H,I,J,O,P. Sec 19 Unit A,B,G,H,I,J,O,P. Sec 20 – 29. Sec 30 Unit A-L,N,O,P. Sec 31 Unit A,B,G,H,I,P. Sec 32 – Sec 36.

### T 20S – R 31E

Sec 1 Unit A,B,C,E-P. Sec 2. Sec 3 Unit A,B,G,H,I,J,O,P. Sec 6 Unit D,E,F,J-P. Sec 7. Sec 8 Unit E-P. Sec 9 Unit E,F,J-P. Sec 10 Unit A,B,G-P. Sec 11 – Sec 36.

### T 21S – R 29E

Sec 1 – Sec 3. Sec 4 Unit L1 – L16,I,J,K,O,P. Sec 5 Unit L1. Sec 10 Unit A,B,H,P. Sec 11 – Sec 14. Sec 15 Unit A,H,I. Sec 23 Unit A,B. Sec 24 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 25 Unit A,O,P. Sec 35 Unit G,H,I,J,K,N,O,P. Sec 36 A,B,C,F – P.

### T 21S – R 30E

Sec 1 – Sec 36

### T 21S – R 31E

Sec 1 – Sec 36

### T 22S – R 28E

Sec 36 Unit A,H,I,P.

**T 22S – R 29E**

Sec 1. Sec2. Sec 3 Unit I,J,N,O,P. Sec 9 Unit G – P. Sec 10 – Sec 16. Sec 19 Unit H,I,J. Sec 20 – Sec 28. Sec 29 Unit A,B,C,D,G,H,I,J,O,P. Sec 30 Unit A. Section 31 Unit C – P. Sec 32 – Sec 36

**T 22S – R 30E**

Sec 1 – Sec 36

**T 22S – R 31E**

Sec 1 – Sec 11. Sec 12 Unit B,C,D,E,F,L. Sec 13 Unit E,F,K,L,M,N. Sec 14 – Sec 23. Sec 24 Unit C,D,E,F,K,L,M,N. Sec 25 Unit A,B,C,D. Sec 26 Unit A,BC,D,G,H. Sec 27 – Sec 34.

**T 23S – R 28E**

Sec 1 Unit A

**T 23S – R 29E**

Sec 1 – Sec 5. Sec 6 Unit A – I, N,O,P. Sec 7 Unit A,B,C,G,H,I,P. Sec 8 Unit A – L, N,O,P. Sec 9 – Sec 16. Sec 17 Unit A,B,G,H,I,P. Sec 21 – Sec 23. Sec 24 Unit A – N. Sec 25 Unit D,E,L. Sec 26. Sec 27. Sec 28 Unit A – J, N,O,P. Sec 33 Unit A,B,C. Sec 34 Unit A,B,C,D,F,G,H. Sec 35. Sec 36 Unit B,C,D,E,F,G,K,L.

**T 23S – R 30E**

Sec 1 – Sec 18. Sec 19 Unit A – I,N,O,P. Sec 20, Sec 21. Sec 22 Unit A – N, P. Sec 23, Sec 24, Sec 25. Sec 26 Unit A,B,F-P. Sec 27 Unit C,D,E,I,N,O,P. Sec 28 Unit A – H, K,L,M,N. Sec 29 Unit A – J, O,P. Sec 30 Unit A,B. Sec 32 A,B. Sec 33 Unit C,D,H,I,O,P. Sec 34, Sec 35, Sec 36.

**T 23S – R 31E**

Sec 2 Unit D,E,J,O. Sec 3 – Sec 7. Sec 8 Unit A – G, K – N. Sec 9 Unit A,B,C,D. Sec 10 Unit D,P. Sec 11 Unit G,H,I,J,M,N,O,P. Sec 12 Unit E,L,K,M,N. Sec 13 Unit C,D,E,F,G,J,K,L,M,N,O. Sec 14. Sec 15 Unit A,B,E – P. Sec 16 Unit I, K – P. Sec 17 Unit B,C,D,E, I – P. Sec 18 – Sec 23. Sec 24 Unit B – G, K,L,M,N. Sec 25 Unit B – G, J,K,L. Sec 26 – Sec 34. Sec 35 Unit C,D,E.

**T 24S – R 29E**

Sec 2 Unit A, B, C, D. Sec 3 Unit A

**T 24S – R 30E**

Sec 1 Unit A – H, J – N. Sec 2, Sec 3. Sec 4 Unit A,B,F – K, M,N,O,P. Sec 9 Unit A – L. Sec 10 Unit A – L, O,P. Sec 11. Sec 12 Unit D,E,L. Sec 14 Unit B – G. Sec 15 Unit A,B,G,H.

**T 24S – R 31E**

Sec 3 Unit B – G, J – O. Sec 4. Sec 5 Unit A – L, P. Sec 6 Unit A – L. Sec 9 Unit A – J, O,P. Sec 10 Unit B – G, K – N. Sec 35 Unit E – P. Sec 36 Unit E,K,L,M,N.

**T 25S – R 31E**

Sec 1 Unit C,D,E,F. Sec 2 Unit A – H.

# J R Oil, Ltd.

## Owen #1

### Plug & Abandon Procedure

05/05/2023

1. MIRU plugging service.
2. Lay down tubing. J R Oil will inspect/reclaim.
3. Top off well w/ mud or water, MIRU WL, perform CBL from PBTD to surface, RDMO WL.
4. RIH work string, tag PBTD, and circulate well w/ MLF.
5. Spot 25 sx cement from 3,875'
  - a. If CBL indicates TOC is deeper than 3,875' then perf @ 3,875' and squeeze 50 sx cement.
  - b. All cement plugs shall be Class C neat unless approved by NMOCD
6. Perforate 5-1/2 casing @ 2,874' and squeeze 50 sx cement, WOC 4 hrs, and tag.
7. Perforate 5-1/2 casing @ 2,540' and squeeze 50 sx cement, WOC 4 hrs, and tag.
8. Perforate 5-1/2 casing @ 1,245' and squeeze 50 sx cement, WOC 4 hrs, and tag.
9. Perforate 5-1/2" & 8-5/8 casings @ 343' and squeeze 202 sx cement or more, until cement is circulated to surface inside 5-1/2, 9-5/8 x 5-1/2 annulus, and 13-3/8 x 9-5/8 annulus.
10. Cut off well head 3' beneath grade, top out/top off with cement, weld above ground marker, and back fill. Remove rig anchors.
11. Remove all underground piping and surface equipment. Remediate surface location per NMOCD.

# Information

## Well

Name: Owen #1

API: 30-025-07021

Location: Unit P, section 35, T 21S, R 37E, 660' FSL, 660' FEL

Lat/long: 32.4299126,-103.127327

Directions: From Eunice Loves Truck Stop travel west on Hwy 176 0.2 miles.  
Turn left (south) on Drinkard Rd, travel 0.2 miles.  
Turn right (west) on lease road, go through gate by pulling pin out of automatic latch,  
and close behind you.  
Turn left (south) on to lease road, this is the well.

## Contacts

Company Man in charge: TBD

Engineer: Ian Petersen (432) 634-4922

Production Foreman: Josh Latimer (575) 414-9188

Pumper: Junior Martinez (575) 441-6653

# JR Oil Ltd.

# Owen #1

WELL NAME: Owen #1				FORMATION: Abo, Granite Wash				KB:				
API NO: 30-025-07021				FIELD: Wantz				PBDT: 7,509				
SPUD DATE: June 26, 1946				COUNTY: Lea				TD: 7,523				
CASING								CEMENT & HOLE DATA				
	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom	bit size	depth	sacks	TOC
Surface		13 3/8	48.00		12.715	12.559	0'	293'	17 1/2	293'	250	surf.
Intermediate		9 5/8	36.00	H-40	8.921	8.765	0'	2,824'	12 1/4	2,824'	1,500	740'
Production		5 1/2	15.5, 17	J-55	4.950	4.767	0'	6,411'	7 7/8	6,535'	350	3,744' (calc.)
Liner	35	4	11.35	K-55	3.476	3.351	6138'	7,523'	4 7/8	7,523'	85	6,138'

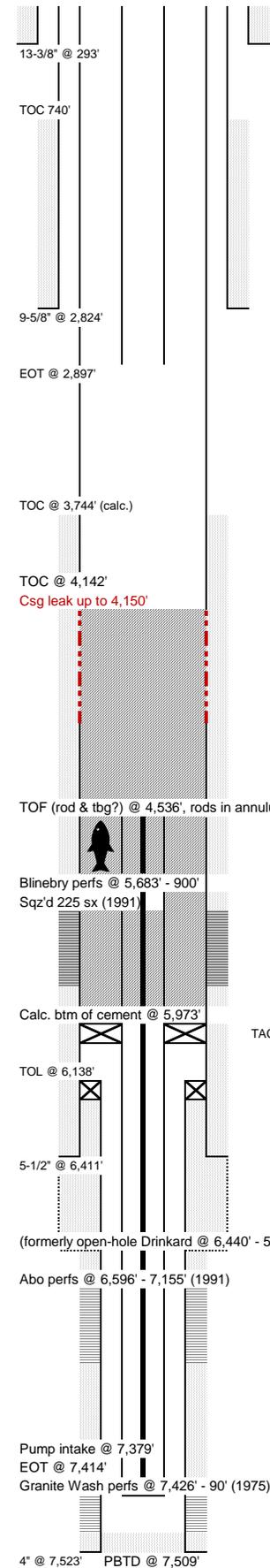
History:						PERFORATIONS					
						top	bottom	zone	status	ttl shots	date
6/26/1946 Spud by Cities Service Oil Co., DST 5,118' - 215', 6,410' - 530', <b>OH complete Drinkard</b> , acidize 3k gal						5,683'	5,900'	Blinebry	squeezed	199	12/11/63
12/11/1963 <b>perf Blinebry</b> , acidize 2,250 gal, frac 32.5k# sand in 32.5k gal, <b>dual complete w/ Drinkard</b> , IP 136 BOPD, GOR 2,865, 2 BWPD, API 33, FTP 425 - 560						6,411'	6,535'	Drinkard	(cased)	open-hole	08/15/46
3/25/1976 POOH dual string tbg & pkr, clean out frac sand 6,486' - 535', <b>deepen, cement liner</b> , drill out cement on top of liner, test liner to 2,000 psi/30 minutes, held, drill out cement to PBDT, <b>perf Granite Wash</b> , acidize 1,500 gal 15% HCL NE, BS, BA, no BO, ATR 4.8 TP 2,600 - 4,300, ISIP 1,700, 4" 500, swab, IP 225 BOPD, 270 MCFD, 17 BWPD, API 38.8, FTP 40						6,596'	7,155'	Abo	active	92	06/02/91
5/25/1991 POOH rods & pump, release packer, POOH tbg, set RBP @ 6,000', packer @ 5,627', swab, set retainer @ 5,560', <b>squeeze Blinebry perfs w/ 225 sx cement</b> , drill out, test to 500 psi, POOH RBP, then (see next date for perfs)						7,426'	7,490'	Granite Wash	active	46	04/28/76
6/2/1991 <b>Perf Abo</b> , set RBP, swab Abo & acidize 6k gal 20% HCL NEFE, BS, BA, no BO, ATR 4 ATP 2,800, ISIP vac, swab 3 days, POP w/ RBP still over GW perfs.											
10/20/1992 POOH rods & pump, hot oil tbg 50 bbls, POOH tbg, attempt retrieve RBP, difficult to establish returns, frac balls plugged retrieving head, <b>POOH RBP, clean out fill 7,427' - 7,509'</b> , circ. clean, SDON, tag, no fill, <b>acidize GW perfs</b> 1,500 gal 15% HCL NEFE BS, BA, no NO, ATR 5, ATP 1,525, ISIP 770, 1" vac., swab, RTP, <b>commingled Abo &amp; GW</b>											
11/1/1995 Pump stuck, back off, <b>TAC stuck (@ 5,880')</b> , worked & pumped 150 BFW down csg, still stuck, free point 100% stuck underneath TAC & TAC still set, back off tbg above TAC, attempt jar, attempt free point, can't pass through fish, mill 6 days, attempt latch, dress, latched, recovered fish except part of perf sub & MABP, <b>cleanout scale 7,258' - 448'</b> , cut junk metal, <b>dress liner top</b> (getting stuck due to large metal pieces laying on liner top) w/ tapered string mill, mill to 7,470', iron sulfide & metal returns, Atlas Vertilog (appears to be a sensitive CCL looking for reductions in thickness) <b>noted depths 592', 3,842' - 3,988', 4,372' - 4,378'</b> , wash to 7,509', <b>recover all fish</b> , attempt test tbg, couldn't pass tools due to <b>scale</b> , test w/ SV & rabbit, RIH pump & rods, load & test, RTP, pump sticking, long stroke, attempt unseat, cannot pump down tbg, pump dragging, hot water csg, continue working out, strip pump out, pump stuck in prfn, minimal scale, washed prfn into pit, 10 jts plugged, RBIH, hot water tbg 70 bbls, POOH, RIH & broach every 24 jts, (12) 2-3/8 jts of 143 couldn't get through, replace, hot water tbg, all 2-7/8 broached good, RTP											
6/6/1997 Attempt to <b>jar pump</b> , release shear tool, POOH rods & tbg, holes in 3 jts above SN, RBIH tbg, hot water tbg 75 bbls, RIH pump & rods, stacked 900' from bottom, hot oil tbg 35 bbls, still stacking out, POOH rods & pump, RIH sinker bars, pump 500 gal 15% HCL flush 25 BW, soak 1.5 hrs, flush 20 BW in tbg, flush 35 BW in csg, RIH pump & rods, RTP											
8/18/1998 Unseat, hot oil rods & tbg, POOH, light scale on rods, RIH, pump sticking, long stroke, quit pumping, unseat & flush, POOH rods & tbg, <b>ball fill 7,450' - 84'</b> , <b>recover scale &amp; metal</b> , RIH tbg, swab, no fluid, RIH rods, <b>well TA'd</b>											
3/26/2001 <b>Heavy paraffin</b> , hot oil csg, <b>strip rods</b> to fish, unseat, POOH rods & pump, RBIH tbg, RIH pump and rods											
11/14/2001 <b>3/4 body break</b> 289 RFS, hot oil csg 35 bbls, latch, <b>pump stuck</b> , hot oil csg 20 bbls, still stuck, repeat, back off rods, POOH 20 jts, attempt swab, <b>stacked on paraffin</b> , ran prfn knife to 2,883', swab, POOH tbg, <b>mud joint full of prfn</b> , RTP											
2/27/2002 <b>3/4 body break</b> 112 RFS, fish, unseat, hot oil tbg 50 bbls, POOH, replace (10) 1" rods due to being bent											
12/11/2002 <b>Pump stuck</b> , back off, swab, <b>heavy paraffin</b> , POOH tbg, SITP 130, RIH 72 jts 2-3/8, hot oil (tbg?) 35 bbls, RIH 2-7/8 tbg, hot oil tbg 20 bbls, RIH pump and rods, <b>stacked out</b> 15 RFS, POOH, RBIH, hot oil tbg 28 bbls, tbg plugged, pressure to 3,000 psi, moved another 4 bbls before <b>plugging</b> off, attempt POOH rods, stuck, back off, swab, POOH, <b>heavy scale in tbg</b> , back off again, POOH, attempt to rabbit 2-3/8, heavy scale, replace all 2-3/8, RTP											
1/3/2003 POOH rods & pump, <b>clean out fill 7,408' - 510'</b> w/ foam, trip bit & scraper, <b>acidize GW perfs</b> 4k gal 15% HCL, RS, ATR 5.7, ATP 3,105, SIP 1" vac., <b>acidize Abo perfs</b> 4k gal 15%, RS, ATR 4.5, ATP 3,780, SIP 1" vac (remainder of report NA)											
8/20/2007 <b>3/4 body break</b> 150 RFS due to <b>corrosion</b> , pump stuck in prfn, replace IPC, SN, PS, BP, SITP 250, SICP 300, <b>replace (25) 3/4 rods</b>											
9/1/2021 <b>3/4 body break</b> 172 RFS (4,300') due to <b>severe SRB corrosion</b> , tubing parted 141 JFS (4,333') for same root cause, LD all 2-3/8 and rods, SWI.											
8/29/2022 Went fishing for 8 days, recovered <b>pieces of swiss cheese tbg &amp; rods</b> , received approval from OCD to pump cement, <b>pumped 225 sx class C neat</b> , flushed past pkr, on vac, under flushed to let it fall, SDOWE, tag TOC @ 3,623', calculated <b>bottom of cement @ 5,973'</b> , <b>drill out to 4,142'</b> , test csg to 500 psi, <b>held 480 psi</b> in 30 minutes, <b>circ. pkr fluid</b> , log CNL, RIH production tbg											

TUBING (as of 9/14/2022)					
	OD (in)	ID (in)	joints	length (ft)	depth (ft)
Tubing	2 7/8	2.441	94	2,896.50	
<b>TOF</b>	<b>2 3/8</b>	<b>1.995</b>			<b>4,508</b>
Tubing	2 3/8		49.5	1,533.38	6,041
TAC	5 1/2		1	2.75	6,044
Tubing	2 3/8		42	1,300.71	7,345
IPC	2 3/8		1	32.30	7,377
SN	2 3/8	1.785	1	1.10	7,378
Perf sub	2 3/8		1	4.10	7,382
BPMA	2 3/8		2	31.37	7,414

RODS (as of 9/7/2022)					
	OD (in)	grade	rods	length (ft)	depth (ft)
<b>TOF??</b>	<b>3/4</b>				<b>4,508</b>
Sucker rods	3/4	KD	114??	2,850.0	7,358
Guide sub	1		1	4.0	7,362
RHBO	1			1.0	7,363
Pump	1 1/4	RHBC		20.0	7,383
Gas anchor	1			1.0	7,384

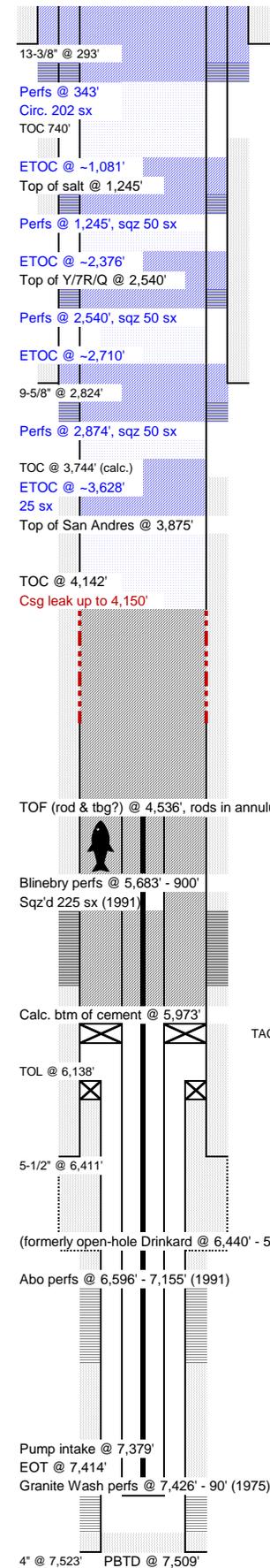


Updated: September 13, 2022 by Ian Petersen

# JR Oil Ltd.

# Owen #1 PROPOSED

WELL NAME: Owen #1		FORMATION: Abo, Granite Wash		KB:								
API NO: 30-025-07021		FIELD: Wantz		PBTD: 7,509								
SPUD DATE: June 26, 1946		COUNTY: Lea		TD: 7,523								
CASING						CEMENT & HOLE DATA						
	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom	bit size	depth	sacks	TOC
Surface		13 3/8	48.00		12.715	12.559	0'	293'	17 1/2	293'	250	surf.
Intermediate		9 5/8	36.00	H-40	8.921	8.765	0'	2,824'	12 1/4	2,824'	1,500	740'
Production		5 1/2	15.5, 17	J-55	4.950	4.767	0'	6,411'	7 7/8	6,535'	350	3,744' (calc.)
Liner	35	4	11.35	K-55	3.476	3.351	6138'	7,523'	4 7/8	7,523'	85	6,138'
History:						PERFORATIONS						
6/26/1946 Spud by Cities Service Oil Co., DST 5, 118' - 215', 6,410' - 530', <b>OH complete Drinkard</b> , acidize 3k gal						<b>top</b> <b>bottom</b> <b>zone</b> <b>status</b> <b>ttl shots</b> <b>date</b>						
12/11/1963 <b>perf Blinebry</b> , acidize 2,250 gal, frac 32.5k# sand in 32.5k gal, <b>dual complete w/ Drinkard</b> , IP 136 BOPD, GOR 2,865, 2 BWPD, API 33, FTP 425 - 560						5,683'      5,900'      Blinebry      squeezed      199      12/11/63						
3/25/1976 POOH dual string tbg & pkr, clean out frac sand 6,486' - 535', <b>deepen, cement liner</b> , drill out cement on top of liner, test liner to 2,000 psi/30 minutes, held, drill out cement to PBTD, <b>perf Granite Wash</b> , acidize 1,500 gal 15% HCL NE, BS, BA, no BO, ATR 4.8 TP 2,600 - 4,300, ISIP 1,700, 4" 500, swab, IP 225 BOPD, 270 MCFD, 17 BWPD, API 38.8, FTP 40						6,411'      6,535'      Drinkard      (cased)      open-hole      08/15/46						
5/25/1991 POOH rods & pump, release packer, POOH tbg, set RBP @ 6,000', packer @ 5,627', swab, set retainer @ 5,560', <b>squeeze Blinebry perfs w/ 225 sx cement</b> , drill out, test to 500 psi, POOH RBP, then (see next date for perfs)						6,596'      7,155'      Abo      active      92      06/02/91						
6/2/1991 <b>Perf Abo</b> , set RBP, swab Abo & acidize 6k gal 20% HCL NEFE, BS, BA, no BO, ATR 4 ATP 2,800, ISIP vac, swab 3 days, POP w/ RBP still over GW perfs.						7,426'      7,490'      Granite Wash      active      46      04/28/76						
10/20/1992 POOH rods & pump, hot oil tbg 50 bbls, POOH tbg, attempt retrieve RBP, difficult to establish returns, frac balls plugged retrieving head, <b>POOH RBP, clean out fill 7,427' - 7,509'</b> , circ. clean, SDON, tag, no fill, <b>acidize GW perfs</b> 1,500 gal 15% HCL NEFE BS, BA, no NO, ATR 5, ATP 1,525, ISIP 770, 1" vac., swab, RTP, <b>commingled Abo &amp; GW</b>						TUBING (as of 9/7/2022)						
11/1/1995 Pump stuck, back off, <b>TAC stuck (@ 5,880')</b> , worked & pumped 150 BFW down csg, still stuck, free point 100% stuck underneath TAC & TAC still set, back off tbg above TAC, attempt jar, attempt free point, can't pass through fish, mill 6 days, attempt latch, dress, latched, recovered fish except part of perf sub & MABP, <b>cleanout scale 7,258' - 448'</b> , cut junk metal, <b>dress liner top</b> (getting stuck due to large metal pieces laying on liner top) w/ tapered string mill, mill to 7,470', iron sulfide & metal returns, Atlas Vertilog (appears to be a sensitive CCL looking for reductions in thickness) <b>noted depths 592', 3,842' - 3,988', 4,372' - 4,378'</b> , wash to 7,509', <b>recover all fish</b> , attempt test tbg, couldn't pass tools due to <b>scale</b> , test w/ SV & rabbit, RIH pump & rods, load & test, RTP, pump sticking, long stroke, attempt unseat, cannot pump down tbg, pump dragging, hot water csg, continue working out, strip pump out, pump stuck in prfn, minimal scale, washed prfn into pit, 10 jts plugged, RBIH, hot water tbg 70 bbls, POOH, RIH & broach every 24 jts, (12) 2-3/8 jts of 143 couldn't get through, replace, hot water tbg, all 2-7/8 broached good, RTP						<b>OD (in)</b> <b>ID (in)</b> <b>joints</b> <b>length (ft)</b> <b>depth (ft)</b>						
6/6/1997 Attempt to <b>jar pump</b> , release shear tool, POOH rods & tbg, holes in 3 jts above SN, RBIH tbg, hot water tbg 75 bbls, RIH pump & rods, stacked 900' from bottom, hot oil tbg 35 bbls, still stacking out, POOH rods & pump, RIH sinker bars, pump 500 gal 15% HCL flush 25 BW, soak 1.5 hrs, flush 20 BW in tbg, flush 35 BW in csg, RIH pump & rods, RTP						TOF      2 3/8      1.995                4,508						
8/18/1998 Unseat, hot oil rods & tbg, POOH, light scale on rods, RIH, pump sticking, long stroke, quit pumping, unseat & flush, POOH rods & tbg, <b>ball fill 7,450' - 84'</b> , <b>recover scale &amp; metal</b> , RIH tbg, swab, no fluid, RIH rods, <b>well TA'd</b>						Tubing      2 3/8           49.5      1,533.38      6,041						
3/26/2001 <b>Heavy paraffin</b> , hot oil csg, <b>strip rods</b> to fish, unseat, POOH rods & pump, RBIH tbg, RIH pump and rods						TAC      5 1/2           1      2.75      6,044						
11/14/2001 <b>3/4 body break</b> 289 RFS, hot oil csg 35 bbls, latch, <b>pump stuck</b> , hot oil csg 20 bbls, still stuck, repeat, back off rods, POOH 20 jts, attempt swab, <b>stacked on paraffin</b> , ran prfn knife to 2,883', swab, POOH tbg, <b>mud joint full of prfn</b> , RTP						Tubing      2 3/8           42      1,300.71      7,345						
2/27/2002 <b>3/4 body break</b> 112 RFS, fish, unseat, hot oil tbg 50 bbls, POOH, replace (10) 1" rods due to being bent						IPC      2 3/8           1      32.30      7,377						
12/11/2002 <b>Pump stuck</b> , back off, swab, <b>heavy paraffin</b> , POOH tbg, SITP 130, RIH 72 jts 2-3/8, hot oil (tbg?) 35 bbls, RIH 2-7/8 tbg, hot oil tbg 20 bbls, RIH pump and rods, <b>stacked out</b> 15 RFS, POOH, RBIH, hot oil tbg 28 bbls, tbg plugged, pressure to 3,000 psi, moved another 4 bbls before <b>plugging</b> off, attempt POOH rods, stuck, back off, swab, POOH, <b>heavy scale in tbg</b> , back off again, POOH, attempt to rabbit 2-3/8, heavy scale, replace all 2-3/8, RTP						SN      2 3/8      1.785      1      1.10      7,378						
1/3/2003 POOH rods & pump, <b>clean out fill 7,408' - 510'</b> w/ foam, trip bit & scraper, <b>acidize GW perfs</b> 4k gal 15% HCL, RS, ATR 5.7, ATP 3,105, SIP 1" vac., <b>acidize Abo perfs</b> 4k gal 15%, RS, ATR 4.5, ATP 3,780, SIP 1" vac (remainder of report NA)						Perf sub      2 3/8           1      4.10      7,382						
8/20/2007 <b>3/4 body break</b> 150 RFS due to <b>corrosion</b> , pump stuck in prfn, replace IPC, SN, PS, BP, SITP 250, SICP 300, <b>replace (25) 3/4 rods</b>						BPMA      2 3/8           2      31.37      7,414						
9/1/2021 <b>3/4 body break</b> 172 RFS (4,300) due to <b>severe SRB corrosion</b> , tubing parted 141 JFS (4,333) for same root cause, LD all 2-3/8 and rods, SWI.						RODS (as of 9/7/2022)						
8/29/2022 Went fishing for 8 days, recovered <b>pieces of swiss cheese tbg &amp; rods</b> , received approval from OCD to pump cement, <b>pumped 225 sx class C neat</b> , flushed past pkr, on vac, under flushed to let it fall, SDOWE, tag TOC @ 3,623', calculated <b>bottom of cement @ 5,973'</b> , <b>drill out to 4,142'</b> , test csg to 500 psi, <b>held 480 psi</b> in 30 minutes, <b>circ. pkr fluid</b>						<b>OD (in)</b> <b>grade</b> <b>rods</b> <b>length (ft)</b> <b>depth (ft)</b>						
4" @ 7,523'      PBTD @ 7,509'      TD @ 7,523'						TOF??      3/4                     4,508						
						Sucker rods      3/4      KD      114??      2,850.0      7,358						
						Guide sub      1           1      4.0      7,362						
						RHBO      1                1.0      7,363						
						Pump      1 1/4      RHBC           20.0      7,383						
						Gas anchor      1                1.0      7,384						



Updated: May 5, 2023 by Ian Petersen

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

COMMENTS  
 Action 215074

**COMMENTS**

Operator: J R OIL, LTD. CO. P.O. Box 52647 Tulsa, OK 74152	OGRID: 256073
	Action Number: 215074
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**COMMENTS**

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	5/15/2023

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Created By	Condition	Condition Date
kfortner	See attached COA	5/15/2023