

Submit 1 Copy To Appropriate District 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. 30-005-60520
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. KO-2114
7. Lease Name or Unit Agreement Name LE Ranch 16
8. Well Number 009
9. OGRID Number 372241
10. Pool name or Wildcat SE Chisum,, San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3676 GR

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 Gas Well Other

2. Name of Operator
Quatro Osos E&P, LLC

3. Address of Operator
P.O. Box 1213; Roswell, NM 88202-1213

4. Well Location
Unit Letter **K** : **2200** feet from the **South** line and **1650** feet from the **West** line
Section **16** Township **11S** Range **28E** NMPM **Chaves** County

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

- REMEDIAL WORK
- COMMENCE DRILLING OPNS.
- CASING/CEMENT JOB
- OTHER:
- ALTERING CASING
- P AND A

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.

Well was drilled as a Devonian test to 7,115 with 4-1/2" 10.5# casing having been set. Well was plugged 10-1-1978. with plugs set as follows (total 175 sacks Class C Cement)

- 7015-7115 35 SX**
- 6250-6350 35 SX**
- 5000-5100 35 SX**
- 3600-3700 35 SX**
- 2350-2450 35 SX**



See plugging plan for revisions.
Adhere to NMOCD COAs attached.

4-1/2 Casing pulled and 8-5/8" wireline bridge plug set at 2350' (cement on top of bridge plug un-readable in OCD records, but is 10' +.

Please see attached separate page with additional information:

Spud Date: **9-7-1978**

Rig Release Date:

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

SIGNATURE TITLE **Managing Member & Pres.** DATE 4 June 2023

Type or print name **Rory McMinn** E-mail address: **rory@rmcminn.com** PHONE: **575/626-7100**
For State Use Only

APPROVED BY: TITLE **Petroleum Specialist** DATE **6/15/2023**
Conditions of Approval (if any):

Quatro Osos E&P, LLC

P.O. Box 1213
Roswell, NM 88202-1213
575/626-7100
rory@rmcminn.com

Proposed Procedural Prognosis for plugging of the LE Ranch State #16-9 API # 30-005-60520 by Quatro Osos E&P, LLC OGRID #372241:

NOTE: This is PROPOSED and may be amended as necessary to satisfy any requirements of the OCD Engineering Department.

1. Submit a C-103 to the OCD with the following proposed specifics which can and may be amended by the Engineering Department of the OCD:
 - a. Notice OCD of entering the wellbore and tag the existing Cast Iron Bridge Plug (CIBP) which is supposed to be set at 1,990' from surface. After determining the top of the CIBP pump cement upon the existing CBP in sufficient quantity to bring the top of the cement to 1,940'.
 - b. Tag top of just set cement plug verifying depth.
 - c. Note: Records indicate that the top of the cement behind the 8-5/8" casing is at 1,200'
 - d. Notice OCD that we will fill hole with mud to bring mud used for plugging to a fluid level of 1,000' which equals 20' below top of the Queen formation. Perforate from 1,000' to 960' with 2 shots per foot spaced at 5' intervals for a total of 18-20 perforations and squeeze perforations.
 - e. Tag cement ttop.
 - f. Notice OCD that we will load hole with plugging mud to bring fluid level to 340' and pump sufficient volume of cement to bring cement top to 290'.
 - g. Tag cement top.
 - h. Notice OCD that we will load the with plugging mud bringing fluid top to 10' below the surface and pump cement plug to surface.
 - i. Tag top of cement.
 - j. Place dryhole marker and clean location.
 - k. Notice OCD for onsite inspection.

If the work from 6/2019 was actually completed to add perfs @ 2091-2200 & 2208-2218, then there should not be CIBP @ 1990' Tag Bottom to verify. If no CIBP is found, set one below 1991' cap w/ 35' cmt by dump bailer or 25sxs

Set Queen plug @ 1030' which is 50' below the top, cmt to be pumped is 100' or 25sxs whichever is greater. Tag 930' or higher.

adjust plug @ 340' to cover Yates top @ 340'. Perf & Sqz 13 3/8 csg shoe & circ to surf.

Adhere to NMOCD COAs attached.

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)-748-1283 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.

Quatro Osos E&P, LLC

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575/626-7100
rory@rmcminn.com

Proposed Procedural Prognosis for plugging of the LE Ranch State #16-9 API # 30-005-60520 by Quatro Osos E&P, LLC OGRID #372241:

NOTE: This is PROPOSED and may be amended as necessary to satisfy any requirements of the OCD Engineering Department.

1. Submit a C-103 to the OCD with the following proposed specifics which can and may be amended by the Engineering Department of the OCD:
 - a. Notice OCD of entering the wellbore and tag the existing Cast Iron Bridge Plug (CIBP) which is supposed to be set at 1,990' from surface. After determining the top of the CIBP pump cement upon the existing CBP in sufficient quantity to bring the top of the cement to 1,940'.
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If the work from 6/2019 was actually completed to add perfs @ 2091-2200 & 2208-2218, then there should not be CIBP @ 1990' Tag Bottom to verify. If no CIBP is found, set one below 1991' cap w/ 35' cmt by dump bailer or 25sxs

Set Queen plug @ 1030' which is 50' below the top, cmt to be pumped is 100' or 25sxs whichever is greater. Tag 930' or higher.

adjust plug @ 340' to cover Yates top @ 340'. Perf & Sqz 13 3/8 csg shoe & circ to surf.

Adhere to NMOCD COAs attached.

Quatro Osos E&P, LLC

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Roswell, NM 88202-1213
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rory@rmcminn.com

Additional page for the Plug & Abandon of LE Ranch 16-9 API 30-005-60520

Perforations placed 2314 to 2324 were squeezed with 75 SX of cement.
Cement Retainer set at 2250.

Additional perforations placed at 2091 to 2218 well treated w/5,000 gallons 2% acid and ball sealers 3-17-1979. Tested 22 BOPD 0 MCF/D gas at 18#'S tubing and casing pressure.

11-17-2001 TA paperwork shows CIBP set at 1990 with casing integrity test at 500 psi for 38 minutes.

4-29-2005 Previous operator, Ponderosa Petroleum's proposed P&A paperwork shows utilizing existing CIBP at 1990, loading hole with mud, cutting off 8-5/8" casing at approx. 1200' pulling casing and setting cement plug 50' below cutoff and 50' above cutoff (50 sacks) with a tag. Set 25 sack cement plug across Queen formation at 952' and 65 sack cement plug across 13-3/8' shoe at 365 to 365 with a tag and 10 sacks at surface with dry hole marker.

NOTE: Quatro Osos is not proposing to pull the 8-5/8" casing and would prefer to perforate the casing and squeeze the queen formation at 952' and then move up the hole to a point at 370' just below the 13-3/8" shoe and perforate from below the shoe from 370' to 360' and squeeze cement across the shoe then moving to surface and setting a 10' to 15' surface plug.

WELLBORE DIAGRAM as COMPLETED

Page 1 of 2

Operator: Quatro Osos E&P, LLC	Operator Rep: Rory McMinn	Casing: Size Weight Grade Thread
Field: SE Chisum, San Andres	Completion: Standard Vertical	Upper: 13.375 40 H-40 8RD
Well API: 30-005-60520		
Well Name: LE Ranch 16-9		PRODUCTION: Size Weight Grade Thread
ULSTR: K, 2200 FSL & 1650 FWL		Upper: 8.625 24.000 K-55 8RD
Sec 16, T11S, R28E, Chaves	Date:	
		Tubing: Size Weight Grade Thread
		Upper:
		Middle:
		Lower:

	Item Nos	Depth To Top	Length (Feet)	Nos Joints	Description of Item	OD (Inches)	ID (Inches)
		13.375	315.00				
					8-5/8" Casing cement top at 1,200.		
					Perforations 2091 to 2218 Cement Retainer set at 2250'		
				2350.00	Wireline Bridge Plug set at 2,350 w/estimated 10' cement		
		8.675	2400.00		Casing set depth 2,400. Perforations 2314 to 2324 Squeezed w/75 sacks cement		
		4.500			Cutoff and retrieved 4.5 casing from 2450'		
					Cement Plugs in 4.5 Set at:		
					3600-3700		
					5000-5100		
					6250-6350		
					7015-7115		
		4.500	7115.00	TD			

District I
 1625 N. French Dr., Hobbs, NM 88240
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District II
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 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS
 Action 225059

CONDITIONS

Operator: QUATRO OSOS E&P, LLC 25 Miles East of Roswell on US Roswell, NM 88202	OGRID: 372241
	Action Number: 225059
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Approved w/ conditions. Adhere to NMOCD COAs attached.	6/15/2023