

NMOCD
Hobbs
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

HOBBS OCD
SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to plug or to abandon a well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. ~~NM 0108097 (A)~~ **NMNM 83197**
6. If Indian, Allottee or Tribe Name

RECEIVED
SUBMIT IN TRIPPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator Ridgeway Arizona Oil Company		8. Well Name and No. Farrell Federal #20
3a. Address 575 N. Dairy Ashford, Energy Center II, Ste 210 Houston, TX 77079	3b. Phone No. (include area code) (713) 221-1768	9. API Well No. 30-041-20696
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2630' FNL, 1310' FWL of sec 28, T7S, R33E, Unit E		10. Field and Pool or Exploratory Area Chaveroo San Andreas
		11. Country or Parish, State Roosevelt, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Ridgeway Arizona Oil Company has P&A'd the subject well per the attached job log and wellbore diagrams

Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) William Boyd		Title Land & Regulatory Manager
Signature <i>William Boyd</i>		Date 11/12/2019

THE SPACE FOR FEDERAL OR STATE OFFICIAL SIGNATURE		<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="margin: 0;">ACCEPTED FOR RECORD</p> <p style="margin: 0;">NOV 21 2019</p> <p style="margin: 0;">BUREAU OF LAND MANAGEMENT</p> <p style="margin: 0;">ROSWELL FIELD OFFICE</p> </div>
Approved by <i>[Signature]</i>	Title Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Job Log

Plug and Abandonment 10/30/2019

Operator: PEDEVCO Corp.
Well name: Farrell Federal #20
Legal: E, Section 28, Township 7 South, Range 33 East
GPS: 33.6788, -103.57514
Location: Roosevelt County, New Mexico
API: 30-041-20696
Surface: 8-5/8" 24# at 1,760' **Hole size:** 12-1/4" **TOC:** Surface
Production: 4-1/2" 10.5# at 4,500' **Hole size:** 7-7/8" **TOC:** 300 sxs
Perforations: 4,248' - 4,302'
TD: 4,470'
PBTD: 4,432'

- 10/14/2019: MIRU all P&A equipment, NUBOP, RU workflow, RU wireline, PU 4-1/2" gauge ring
TIH and tag hard at 18', TOH, RD wireline, PU bit and scraper, TIH and tag at 18'
TOH and LD BHA, shut well in, shut down for night
- 10/15/2019: PU notched collar, TIH and clean out area at 18', received H2S hit, shut in well, shut down for night
- 10/16/2019: No operations on well, took time to gather tools and chemicals to remove H2S presence
- 10/17/2019: Install H2S monitors and oxygen supply on location, kill well with treated fluid to open well safely
TOH and LD BHA, PU bit and scraper, RU Washington head rubber, TIH and tagged at 18'
Worked and made 13', TOH and LD BHA
PU notched collar and check valve to prevent gas communication up tubing
TIH and clean out to 4,230' with power swivel, circulate gas out & condition wellbore w/chemicals
No H2S presence detected, TOH, stand back tubing, shut well in, shut down for night
- 10/18/2019: Check well for H2S, no H2S detected, well dead, PU drill bit sized for 4-1/2" casing
TIH and clean out area at 25' with power swivel, TOH, PU 4-1/2" bit and scraper
TIH to 25' and clean out with scraper, TOH, RU wireline, TIH with 3.5" gauge ring, tagged at 25'
TOH and RD wireline, PU tapered mill, TIH and tag at 25', RU power swivel, clean out, RD swivel
Continue TIH with tapered mill to 4,207', TOH, RU wireline, TIH with 3.5" gauge ring to 4,230'
TOH, PU 4-1/2" CIBP, TIH and set at 4,198' (Per BLM COA's), TOH, RD wireline
TIH tubing and tag CIBP at 4,198', shut well in, shut down for night
- 10/19/2019: RU cementer, pumped 29 sxs of 14.8# class C 1.32 cu.ft./sack yield cement on top of CIBP
TOH 15 stands, reverse circulate tubing clean, WOC 4 hours, TIH and tag TOC at 3,774'
Pressure tested casing to 500 psi for 10 minutes, pressure held, witnessed by: Oscar Torres, BLM
Pumped 14 bbl. Of 9# mud, displaced with fresh water, TOH
RU wireline, TIH and perforate casing at 3,055', TOH, RD wireline
TIH tubing to 3,057', attempted to establish injection rate, pressured up to 500 psi, no rate
TIH to 3,106', pumped 13 sxs of 14.8# class C 1.32 cu.ft./sack yield cement
TOH 10 stands, reverse circulate tubing clean, shut well in, shut down and WOC overnight



- 10/20/2019: TIH and tag TOC at 2,990', pumped 11 bbl. Of 9# mud, TOH
RU wireline, TIH and perf at 2,335', TOH, RD wireline, attempt to establish injection rate, unable
TIH tubing to 2,385', pumped 15 sxs of 14.8# class C 1.32 cu.ft./sack yield cement, TOC: 2,170'
TOH, WOC 4 hours, RU wireline, TIH and perf at 2,050', RD wireline
Attempt to establish injection rate, pressured up to 500 psi, held for 5 minutes, no injection rate
RU wireline, TIH and perforate casing at 250', TOH, RD wireline, had H2S in annulus
Circulated well with chemicals until no H2S presence detected
TIH tubing and tag TOC 2,201', TOH tubing to 2,105'
Pumped 15 sxs of 14.8# class C 1.32 cu.ft./sack yield cement, TOC: 1,890'
TOH 10 stands, reverse circulate tubing clean, shut well in, Shut down and WOC overnight
- 10/21/2019: TIH and tag TOC at 1,979', approved by Oscar Torres, BLM, pump 11 bbl. Of 9# mud
TOH and LD tubing, NDBOP, NUWH, circulate wellbore to prep for cement
No presence of H2S, Hydrocarbons, or trapped pressure observed
Circulate 83 sxs of 14.8# class C 1.32 cu.ft./sack yield cement via perfs at 250' to surface
RD workover rig, Move Off
- 10/30/2019: NDWH, dig out wellhead, cut off wellhead 3' below ground level
TOC 12' inside 4-1/2" and 0' in surface casing, weld on info plate and cap
Backfill pit, clean location, RDMO, P&A complete

Shoe @ 1760'

Witnessed by: Oscar Torres, BLM P.E.T.
Tool Pusher: Tony Sinke & Jesus Caudillo, Swabbco
Rig Company: Swabbco Well Servicing
Wireline Rep: Adam Daniels
Wireline Company: DLD Pipe Recovery
Company Rep: Caleb Rushing, Ridgeway & Charles Hinojosa, Pedevco

WELLBORE DIAGRAM: After P&A Operations

Operator:	Ridgeway Arizona Oil Company	API:	30-041-20696
Lease:	Farrell Federal	Legals:	I, S28, T7S, R33E
Well Number:	20	County:	Roosevelt
		Field:	Chavaroo San Andreas
		State:	New Mexico

WELLHEAD:

Surface Casing

Size: 8-5/8"
 Wght: 24#
 Depth: 1760'
 TOC: SURFACE
 Hole Size: 12-1/4"

Production Casing

Size: 4-1/2"
 Wght: 10.5#
 Depth: 4500'
 DV Tool: NONE
 TOC: 300 sxs
 Hole Size: 7-7/8"

83 sxs of cement to surface inside and outside of 4-1/2"
 Perforations at 250'

9# mud from 1,979' to 250'

Perforations at 2,050'
 15 sxs of cement from 2,105', tagged at 1,979'

Perforations at 2,335'
 15 sxs of cement from 2,385', tagged at 2,201'

9# mud from 2,990' - 2,385'

Perforations at 3,055'
 13 sxs of cement from 3,106', tagged at 2,990'

9# mud from 3,774' - 3,106'
 29 sxs on top of CIBP, tagged TOC at 3,774'
 CIBP: 4198'

PERFORATIONS:

CHAVAROO
 SAN ANDREAS 4248' - 4302'

Perforations

PBTD: 4432'

TD: 4500'

Updated: 9/18/2019
By:

