

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMSF078874

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
891001059C

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
CANYON LARGO UNIT 328

2. Name of Operator
HILCORP ENERGY COMPANY
Contact: ETTA TRUJILLO
E-Mail: ettrujillo@hilcorp.com

9. API Well No.
30-039-23266-00-S1

3a. Address
1111 TRAVIS STREET
HOUSTON, TX 77002

3b. Phone No. (include area code)
Ph: 505-324-5161

10. Field and Pool or Exploratory Area
DEVIL'S FORK

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 5 T24N R6W SWNW 2000FNL 0820FWL
36.343552 N Lat, 107.497391 W Lon

11. County or Parish, State
RIO ARRIBA COUNTY, 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 type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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	

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.

The subject well was P&A'd on 10/01/2019 per the attached notification, summary report and wellbore schematic.

NMOCD

OCT 09 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #486413 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMS for processing by JOHN HOFFMAN on 10/08/2019 (19AMW0546SE)**

Name (Printed/Typed) ETTA TRUJILLO

Title OPERATIONS/REGULATORY TECH SR

Signature (Electronic Submission)

Date 10/03/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**

JOHN HOFFMAN
Title PETROLEUM ENGINEER

Date 10/08/2019

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

AR

1

API: 30-039-23266

Well Name: Canyon Largo Unit 328

Plugged & Abandoned Notifications

9/13/2019 – Hilcorp Energy received verbal approval from Joe Killins (BLM) and Brandon Powell (NMOCD) to remove the cement coverage across the “Legal MV Top” and use the cement coverage across the Cliffhouse as an effective means to official P&A the Mesa Verde. **Remove plug from 3,190’-3,290’ (covering Legal MV Top), and add a cement plug from 3,602’-3,702’ (covering the Cliffhouse).** **COA: Add Chacra Plug 3010’-2910’. NMOCD OCD Chacra top: 2960’.**

9/26/2019 – Hilcorp Energy received verbal approval from John Hoffman (BLM) and Brandon Powell (NMOCD) based on the CBL ran on 9/26/2019. New TOC is at 96’. Based on these results, Hilcorp is proposing to perforate squeeze holes @ +/- 90’. TIH and spot a 263’ balance plug in the 4-1/2” casing (50’ below the surface shoe). TOO and bullhead an additional 30 sacks from surface and circulate cement in the 4-1/2” x 8-5/8” annulus from 90’ to surface. All other plugs have remained the same based on the results of the CBL. **NMOCD COA: perform a PT on the BH valve if it holds pressure or fluid and verifies the conclusion that the log shows cement from 90-200, then OCD is in agreement. If it does not hold, OCD would prefer to shoot at 200’ to see if it can be circulated from there.**

9/27/2019 - Hilcorp Energy received approval from both John Hoffman (BLM) and Brandon Powell (NMOCD) that 43’ of cement on top of the Mancos legal top is sufficient cement to effectively isolate the Mancos, and can proceed to plug #2.

9/30/2019 – Hilcorp Energy received verbal approval from Joe Killins (BLM) and Brandon Powell (NMOCD) for following revisions:

Plug #4: Break balance plug into 2 plugs. TIH w/ tubing to +/-2,210, pump +/-900’ balance plug. TOO to +/- 1,300’ and reverse circulate out cement. TIH to 1,310’ (directly above previously spotted balance plug), and pump a +/- 700’ balance plug (+/- 220’ excess cement). Hilcorp will not WOC the first phase of the balance plug, but will WOC the second phase with an estimated cement top @ +/- 600’. **The estimated time between spotting plugs is 30 minutes. If issues arise on the rig and the time interval between the two balance plug exceeds 1 hours, Hilcorp will WOC the first balance plug and then pump the second balance plug.**

Plug #5: Shot squeeze holes @ +/- 200’. We initially had slight circulation and then immediately locked up @ 500 psi. We are currently unable to establish any circulation and are pressuring up to 500 psi and holding flat. Hilcorp was previously given approval to shoot squeeze holes @ 90’ in the event we were not able to circulate through the squeeze holes @ 200’. Therefore, Hilcorp will shoot squeeze holes @ 90’, TIH and spot a balance plug from 263’ to surface, TOO, and bullhead cement to circulate cement from 90’ to surface in the 4-1/2”x8-5/8” annulus.

Hilcorp Energy
Company
PO Box 4700
Farmington, NM 87499



P.O. Box 1979, Farmington, NM 87499
(505) 325-2627

Name: Canyon Largo Unit 328
API:30-039-23266

Well Plugging Report

Work Detail

Plug #1 Gallup PERFS & Mancos PERFS & Top 5105'-4399' Mix & Pump 55 SXS, 15.8 PPG, 1.15 Yield, 63.2 CUFT, 11.2 BBL Slurry, Class G Cement, DISP W/ 17 BBL H2O. Tag TOC @ 4537'.

Plug #2 Cliff House Top 3702'-3452' Mix & Pump 20 SXS W 2% CC, 15.8 PPG, 1.15 Yield, 23 CUFT, 4 BBL Slurry, Class G Cement, DISP W/ 13 BBL H2O. Tag TOC @ 3552'.

Plug #3 Chacra Top 3010'-2689' Mix & Pump 25 SXS, 15.8 PPG, 1.15 Yield, 28.7 CUFT, 5.1 BBL Slurry, Class G Cement, DISP W/ 10 BBL H2O. Tag @ 2799'.

Plug #4 Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo & Nacimiento Tops 2210'-6100' Mix & Pump 125 SXS W/ 2% CC, 15.8 PPG, 1.15 Yield, 143.7 CUFT, 25.6 BBL Slurry, Class G Cement, DISP W/ 2 BBL H2O. Tag TOC @ 750'.

Plug #5 Surface 270'-0' Mix & Pump 50 SXS, 15.8 PPG, 1.15 Yield, 57.5 CUFT, 10.2 BBL Slurry, Class G Cement, saw good Cement Returns to Pit through BH Valve. Tag TOC @ 4'.

Surface Top Off Mix & Pump 16 SXS, 15.8 PPG, 1.15 Yield, 18.4 CUFT, 3.2 BBL Slurry, Class G Cement.

P&A Marker GPS Coordinates: Latitude 36.344232 / Longitude - 107.497527

09/25/2019

Road Rig & Equip to LOC.
HSM on JSA.
Spot in, RU Daylight Pulling Unit.
Check PSI 2-3/8" TBG-0, 4-1/2" CSG-0, BH-0 PSI, RU Relief Lines, open Well to Pit.
ND WH, Function Test & NU BOP, RU Work Floor & TBG Equip.
Secure Well & LOC.
Travel to Yard.

09/26/2019

Load Supplies, travel to LOC.
HSM on JSA, service & start Equip.
Check PSI TBG-0, CSG-0, BH-0, open Well to Pit.
RU TBG Scanner, TOO, 32 Yellow, 56 Blue, 48 Green, 20 Red. 156 2-3PM/8" JTS Total. RD TBG Scanner.
RU A-Plus WL, MU Bond Tool, RIH to 5105' Tag CIBP, run CBL, POOH, LD Tool, RD WL.

RU Pump to CSG, load Well W/ 1/2 BBL H2O, Attempt to PSI Test CSG, no Test.
TIH W/ 44 STDS, PU & Tally in W/ Hilcorp 2-3/8" Work String to 5105'.
RU to Pump down TBG, Load W/ 1/2 BBL, CIRC 25 BBL, saw good Returns to Pit.

Plug #1 Gallup PERFS & Mancos PERFS & Top 5105'-4399' Mix & Pump 55 SXS,
15.8 PPG, 1.15 Yield, 63.2 CUFT, 11.2 BBL Slurry, Class G Cement, DISP W/ 17 BBL
H2O.

LD 22 JTS on Pipe Trailer, SB 12 STDS.

Secure Well & LOC.

Travel to Yard.

09/27/2019

Load supplies, travel to LOC.

HSM on JSA, service & start Equip.

Check PSI TBG-0, CSG-0, BH-0 PSI, open Well to Pit.

TIH, Tag Plug #1 @ 4537', Tag was Approved by both BLM & State. PUH, LD TBG
to 3702', RU to Pump Plug #2.

Plug #2 Cliff House Top 3702'-3452' Mix & Pump 20 SXS W/ 2% CC, 15.8 PPG,
1.15 Yield, 23 CUFT, 4 BBL Slurry, Class G Cement, DISP W/ 13 BBL H2O.

LD 27 JTS, SB 12 STDS.

Wait on Cement Sample to set.

TIH Tag Plug #2 @ 3552', good Tag. LD to 3010', load Well W/ 3 BBL H2O,
attempt to PSI Test CSG, no Test. RU to pump Plug #3.

Plug #3 Chacra Top 3010'-2689' Mix & Pump 25 SXS, 15.8 PPG, 1.15 Yield, 28.7
CUFT, 5.1 BBL Slurry, Class G Cement, DISP W/ 10 BBL H2O.

LD 10 JTS on Pipe Trailer, SB 12 STDS.

Secure Well & LOC.

Travel to Yard.

09/30/2019

Load Supplies, travel to LOC.

HSM on JSA, service & start Equip.

Check PSI TBG-0, CSG-0, BH-0 PSI, open Well to Pit.

TIH, Tag Plug #3 @ 2799', good Tag, LD to 2210'.

Attempt to PSI CSG, no Test, attempt to Test BH, Load Annulus W/ 1.5 BBL H2O,
pressure to 300 PSI, saw Pressure escaping from Surface Head Cap. No Test.

Plug #4 Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo & Nacimiento Tops 2210'-
6100' Mix & Pump 125 SXS W/ 2% CC, 15.8 PPG, 1.15 Yield, 143.7 CUFT, 25.6 BBL
Slurry, Class G Cement, DISP W/ 2 BBL H2O.

LD 24 JTS on Pipe Trailer, SB 8 STDS.

Wait on Cement Sample to set.

TIH, Tag Plug #4 @ 750', good Tag, LD Work String.

RU A-Plus WL, RIH to 200', shoot 4 Holes W/ 3-1/8" HSC, POOH, LD Tool, check
ROI, 1/4 BPM 600 PSI, no CIRC to Pit. RIH to 90', shoot 4 Holes W/ 3-1/8" HSC,
POOH, LD Tool, check ROI 1 BPM @ 100 PSI. RD WL. PU 8 JTS, TIH to 270'. RU to
Pump Surface Plug.

Plug #5 Surface 270'-0' Mix & Pump 50 SXS, 15.8 PPG, 1.15 Yield, 57.5 CUFT, 10.2
BBL Slurry, Class G Cement, saw good Cement Returns to Pit through BH Valve.

LD Work String on Pipe Trailer.

Secure Well & LOC.

Travel to Yard.

10/01/2019

Load Supplies, travel to LOC.
HSM on JSA, service & start Equip.
Check PSI TBG-N/A, CSG-0, BH-0 PSI, open Well to Pit.
RD Work Floor, ND BOP, NU WH.
Perform Hot Work Permit & JSA for Cut Off, Cut Off WH, TOC @ 4' below Surface
in 4-1/2" CSG, TOC @ Surface in 4-1/2" X 8-5/8" Annulus. Install & Weld on DH
Marker.
RD Daylight Pulling Unit, MOL.
Surface Top Off Mix & Pump 16 SXS, 15.8 PPG, 1.15 Yield, 18.4 CUFT, 3.2 BBL
Slurry, Class G Cement.
Clean LOC, ready Equip for Road.

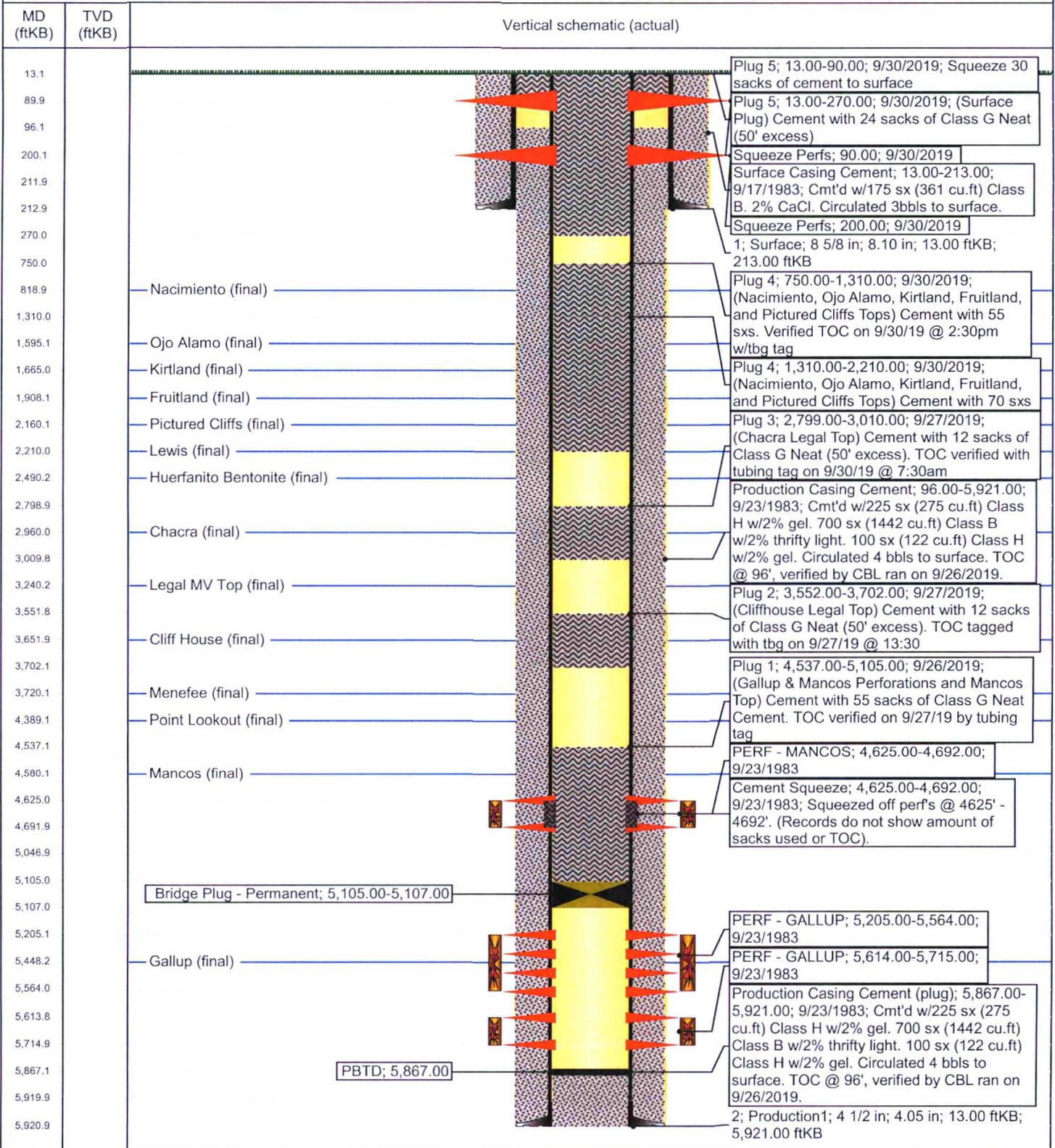
On Site Reps:

Name	Association	Notes
Bill Diers	BLM	On Loc
Juan Cardenas	Co. Rep.	On Loc

Well Name: CANYON LARGO UNIT #328

API / UWI 3003923266	Surface Legal Location E-5-24N-6W	Field Name	Route 1409	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,496.00	Original KB/RT Elevation (ft) 6,509.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Vertical, Original Hole, 10/3/2019 8:48:24 AM



Plug 5; 13.00-90.00; 9/30/2019; Squeeze 30 sacks of cement to surface

Plug 5; 13.00-270.00; 9/30/2019; (Surface Plug) Cement with 24 sacks of Class G Neat (50' excess)

Squeeze Perfs; 90.00; 9/30/2019

Surface Casing Cement; 13.00-213.00; 9/17/1983; Cmt'd w/175 sx (361 cu.ft) Class B. 2% CaCl. Circulated 3bbbs to surface.

Squeeze Perfs; 200.00; 9/30/2019

1; Surface; 8 5/8 in; 8.10 in; 13.00 ftKB; 213.00 ftKB

Plug 4; 750.00-1,310.00; 9/30/2019; (Nacimiento, Ojo Alamo, Kirtland, Fruitland, and Pictured Cliffs Tops) Cement with 55 sxs. Verified TOC on 9/30/19 @ 2:30pm w/tbg tag

Plug 4; 1,310.00-2,210.00; 9/30/2019; (Nacimiento, Ojo Alamo, Kirtland, Fruitland, and Pictured Cliffs Tops) Cement with 70 sxs

Plug 3; 2,799.00-3,010.00; 9/27/2019; (Chacra Legal Top) Cement with 12 sacks of Class G Neat (50' excess). TOC verified with tubing tag on 9/30/19 @ 7:30am

Production Casing Cement; 96.00-5,921.00; 9/23/1983; Cmt'd w/225 sx (275 cu.ft) Class H w/2% gel. 700 sx (1442 cu.ft) Class B w/2% thrifty light. 100 sx (122 cu.ft) Class H w/2% gel. Circulated 4 bbbs to surface. TOC @ 96', verified by CBL ran on 9/26/2019.

Plug 2; 3,552.00-3,702.00; 9/27/2019; (Cliffhouse Legal Top) Cement with 12 sacks of Class G Neat (50' excess). TOC tagged with tbg on 9/27/19 @ 13:30

Plug 1; 4,537.00-5,105.00; 9/26/2019; (Gallup & Mancos Perforations and Mancos Top) Cement with 55 sacks of Class G Neat Cement. TOC verified on 9/27/19 by tubing tag

PERF - MANCOS; 4,625.00-4,692.00; 9/23/1983

Cement Squeeze; 4,625.00-4,692.00; 9/23/1983; Squeezed off perfs @ 4625' - 4692'. (Records do not show amount of sacks used or TOC).

PERF - GALLUP; 5,205.00-5,564.00; 9/23/1983

PERF - GALLUP; 5,614.00-5,715.00; 9/23/1983

Production Casing Cement (plug); 5,867.00-5,921.00; 9/23/1983; Cmt'd w/225 sx (275 cu.ft) Class H w/2% gel. 700 sx (1442 cu.ft) Class B w/2% thrifty light. 100 sx (122 cu.ft) Class H w/2% gel. Circulated 4 bbbs to surface. TOC @ 96', verified by CBL ran on 9/26/2019.

2; Production1; 4 1/2 in; 4.05 in; 13.00 ftKB; 5,921.00 ftKB

