

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 14 2012

FORM APPROVED  
OMB NO 1004-0137  
Expires October 31, 2014

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office  
Bureau of Land Management

a Type of Well ☐ Oil Well ☐ Gas Well ☒ Other ☐ Other  
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resrv,  
Other \_\_\_\_\_

2 Name of Operator  
TEXAS ALLIED PETROLEUM, INC.3 Address 515 CONGRESS AVE, STE 2525  
AUSTIN, TX 787013a Phone No (include area code)  
(512)-527-6000

4 Location of Well (Report location clearly and in accordance with Federal requirements)\*

505' FNL & 495' FEL (NE/4 NE/4)  
At surface 36.83444 deg N, 108.48697 deg W

At top prod interval reported below

At total depth

14 Date Spudded  
09/13/201115 Date T D Reached  
09/22/201116 Date Completed ~~11/09/2011~~  
☐ D & A ☐ Ready to Prod5 Lease Serial No  
NM 107357

6 Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

8 Lease Name and Well No  
HOGBACK 11 #419 API Well No  
30-045-3523010 Field and Pool or Exploratory  
HORSESHOE GALLUP11 Sec, T, R, M, on Block and  
Survey or Area SEC 11 T30N R16W NMMPM

12 County or Parish

SAN JAUN

13 State

NM

18 Total Depth MD 1905'  
TVD19 Plug Back T D MD 1045'  
TVD20 Depth Bridge Plug Set MD 1045'  
TVD21 Type Electric & Other Mechanical Logs Run (Submit copy of each)  
SLB PLATFORM EXPRESS; ARRAY INDUCTION, LITHO-DENSITY22 Was well cored? ☐ No ☒ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23 Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft)	Top (MD)	Bottom (MD)	Stage Cement Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" J-55	36	0	10		57.5 44	"G"	0	
8 3/4"	7" J-55	20	0	484		158 13	"G"	37'	
6 1/4"	4 1/2" J-55	10.5	0	1854		343 143	80/50 Pot	0	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	999'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) MANCOS	908	912	908-912	.41"	16	OPEN
B)	1008	1112	1008-1112	.41"	16	OPEN
C)			1052-54, 1063-65	.41"	16	CBP @ 1045'
D)						

26 Perforation Record

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
908-912, 1008-1112	FRAC W/ 300 GAL 15% HCl; 47,393 GAL DELTA 140; 36,000# 20/40 PR SAND

28 Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						RCVD AUG 21 '12
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						OIL CONS. DIV. DIST. 3

28a Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						ACCEPTED FOR RECORD
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						AUG 17 2012 FARMINGTON FIELD OFFICE BY

\*(See instructions and spaces for additional data on page 2)

NMOCD A

28b Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29 Disposition of Gas (*Solid, used for fuel, vented, etc*)

30 Summary of Porous Zones (Include Aquifers)	31 Formation (Log) Markers
<p>Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries</p>	

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas Depth
GALLUP	1489				
UPPER GALLUP	1758				
SANASTEE	<del>1832</del> 1884				

32 Additional remarks (include plugging procedure)

WELL FRAC'ED 7/20/2012 RECOVERED 37 BBL OF ORIGINAL 283 BBL LOAD (13%). SWABBED DRY 7/22; SHUT WELL IN.

WILL SHOOT FLUID LEVEL WEEK OF 8/20/12 AND RESUME SWAB TESTING IF FL HAS BUILT IF NO FL, WE WILL DISCUSS P&A PROCEDURE W/BLM.

33 Indicate which items have been attached by placing a check in the appropriate boxes

<input checked="" type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input checked="" type="checkbox"/> Core Analysis	<input type="checkbox"/> Other	

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (*please print*) JEFF WELBER

Title PETROLEUM ENGINEER

Signature

*Jeff Welber*

Date 08/13/2012

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

(Continued on page 3)

(Form 3160-4, page 2)

High Plains Petroleum  
Hogback 11#41  
San Juan County, New Mexico



CL File No: DEN-110075  
Date: 10-6-2011  
Analyst(s): JC

CMS-300 CONVENTIONAL PLUG ANALYSIS

Sample Number	Depth (ft)	Net Confining Stress (psig)	Porosity (%)	Permeability		b (air) (psi)	Beta (ft <sup>-1</sup> )	Alpha (microns)	Saturation		Grain Density (g/cm <sup>3</sup> )	Footnote
				Klinkenberg (mD)	Kair (mD)				Oil	Water		
K <sub>m</sub> 1	912.00	1000	10.00	.0688	.140	27.11	4.14E+12	8.89E+02	23.6	64.8	2.701	(1)
	1241.50	1000	7.26	.175	.224	6.88	3.84E+10	2.15E+01	2.8	73.5	2.671	(1)
3	1641.00	ambient	10.09	***	***	***	***	***	2.8	78.7	2.670	(5)
4	1644.00	ambient	8.72	***	***	***	***	***	3.3	70.3	2.650	(5)
K <sub>g</sub> 5	1766.00	ambient	13.52	***	***	***	***	***	21.8	42.8	2.692	(5)
	1766.00	1000	7.44	.0130	.0369	53.68	6.48E+13	2.71E+03	9.2	88.5	2.863	(1)
7	1785.00	1000	10.17	3.87	4.48	3.18	1.22E+10	1.52E+02	5.1	91.9	2.683	(1)
8	1789.00	1000	8.96	.388	.493	6.31	6.23E+09	7.72E+00	25.1	65.7	2.666	(1)
K <sub>s</sub> 9	1884.00	1000	6.93	.644	.673	1.02	2.05E+10	4.25E+01	9.1	82.2	2.608	(1)
	1885.00	1000	2.67	.002	.009	105.15	2.28E+15	1.57E+04	7.3	41.8	2.678	(1)

Footnotes:

- (1) - Denotes fractured or chipped sample. Permeability and/or porosity may be optimistic.
  - (2) - Sample permeability below the measurement range of CMS-300 equipment at indicated net confining stress (NCS). Data unavailable.
  - (3) - Denotes very short sample, porosity may be optimistic due to lack of conformation of boot material to plug surface.
  - (4) - Sample contains bitumen or other solid hydrocarbon residue.
  - (5) - Denotes sample unsuitable for measurement at stress. Porosity determined using Archimedes bulk volume at ambient conditions.
- Permeability greater than 0.1 mD measured using helium gas. Permeability less than 0.1 mD measured using nitrogen gas. All b values converted to b (air).

K<sub>m</sub> - Mancos Shale

K<sub>g</sub> - Gallup SS

K<sub>s</sub> - Sandstone Fm.