

Submit to Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French, Hobbs, NM 88240
District II
1391 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-105
Revised June 10, 2003

RECEIVED

OIL CONSERVATION DIVISION
APR 08 2009
1220 South St. Francis Dr.
Santa Fe, NM 87505
HOBBSON

WELL API NO.

30-025-39081

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. Type of Completion.

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

2. Name of Operator

PETROHAWK OPERATING COMPANY

3. Address of Operator

1000 LOUISIANA, SUITE 5600 HOUSTON, TEXAS 77002

8. Well No.

2

9. Pool name or Wildcat

VACUUM; LOWER WOLFCAMP, NORTH

4. Well Location

Unit Letter G : 1980 Feet From The NORTH Line and 1830 Feet From The EAST Line

Section 35 Township 16S Range 34E NMPM 1EA County

10. Date Spudded

10/06/2008

11. Date T.D. Reached

11/03/2008

12. Date Compl. (Ready to Prod.)

12/05/2008

13. Elevations (DF & RKB, RT, GR, etc)

14. Elev. Casinghead

15. Total Depth

11,000

16. Plug Back T.D.

10.883 (CIBP)

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

X

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

10625-628; 10646-648; 10655-658 (WOLFCAMP)

20. Was Directional Survey Made

NO

21. Type Electric and Other Logs Run

COMPZ-DENSITLOG; COMP NEUTRON GAMMA RAY

22. Was Well Cored

NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13.375	68	1670	17.5	1080 SX CL C	
9.625	40.47	4505	12.25	900 SX POZ H +450 SX POZ H	
5.5	17	10980	8.5	700 SX POZ H	
2-3/8 tbq		EOT @10661			

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

25. TUBING RECORD

26. Perforation record (interval, size, and number)

10956-64 *CIBP @10883

10625-28; 10646-48; 10655-58

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

10625-10658

1500 GALS 15% HCL ACID

28. PRODUCTION

Date First Production 12/05/2008 Production Method (*Flowing, gas lift, pumping - Size and type pump*) FLOWING Well Status (*Prod or Shut-in*) PROD

Date of Test 01/15/2009 Hours Tested 24 Choke Size 0/64 Prod'n For Test Period 77 Oil - Bbl. 96 Gas - MCF 96 Water - Bbl. 0 Gas - Oil Ratio 1.25/1

Flow Tubing Press. 150 Casing Pressure 0 Calculated 24-Hour Rate 77 Oil - Bbl. 96 Gas - MCF 0 Water - Bbl. 41.5 Oil Gravity - API -(*Corr.*)

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

SOLD

Test Witnessed By

PUMPER

30. List Attachments

COMPLETED WED, LOG, FORM C-104, C-114

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Corinne Illich Printed Name Corinne Illich Title Ops. Analyst Date 03/31/2009
E-mail address cillich@petrohawk.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northeastern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp		T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____
 No. 2, from _____ to _____ feet _____
 No. 3, from _____ to _____ feet _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
--	3860		YATES				
3860	4611		QUEEN				
4611	6120		SAN ANDRES				
6120	7380		GLORIETTA				
7380	7656		TUBB				
7656	8459		DRINKARD				
8459	9780		ABO				
9780	TD		WOLF CAMP				

Petrohawk Operating Co., a wholly owned subsidiary of Petrohawk Energy

OFFICIAL NAME: St of NM 35 #2

Vacuum Lwr Wolfcamp, N

St of NM 35 #2

CURRENT COMPL

SERIAL: 301998

API #: 30-025-39081

FIELD: Vacuum Lwr Wolfcamp, N

PH, ST: Lea, New Mexico

DATES: 11/6/2008

IC:

DIAGRAM REVISED Proposed Completion 11/14/2008 Marc Wohl

☐ Present Completion

☐ Original Completion

Well Bore Data

Data On This Completion

Permian Rig #5

RKB to GL 22ft

Note: had cement to surface (the 2-25' casing string). Cement set up, could not set slips. Removed section A and B and installed a SCW on the 9 625" with the annulus of the

9 625x13 375 open and 13 375x20 open. Both are filled with cement.

Mud in 5 5" 9 625" Annulus is 9.1 ppg WBM

TOC (Lead) outside 5 5" @ 4100' (est)

2 7/8", 6 5/8" L-80 Production Tubing

1 band in casing after cementing - 8 4 ppg w/2%KCl

Test Packer @ 10,500'

Perf @ 10,625-10628'

Perf @ 10,646-10648'

Perf @ 10,655-10658'

TOC on Plug @ 10,883'

CEEP @ 10,900'

Perf @ 10,936-10964'

PB 11D 10,980'

	CASING			TUBING
Hole Size	17 5	12 25	8 5	
Pipe Size	13 375	9 625	5 5	2 7/8
Weight	68	47	17	6 5
		40	17	
		47	17	
Grade	K-55	P-110	N-80	L-80
		J-55	K-55	
		P-110	N-80	
Thread	BTC	LTC	LTC	
		LTC	LTC	
		LTC	LTC	
Depth	1670	0-1792	0-920	
		1792-2590	920-7943	
		2590-4505	7943-10980	10,500
Mud wt @ Depth	10.3	9.9		

LOG ELEVATION RKB-BHF 22
TREE CONNECTION

DIRECTIONAL DRILL	MD	TVD	*ANGLE
KOP	Straigh Hole	2021	0.00
EOB	Max Angle	4147	22.30
Hold Angle		7900	14.60
Max angle		5887	26.00

GAS LIFT VALVES				
INSTALLED	NO	DEPTH	Tro	CHK

MANDREL TYPE
VALVE TYPE No record

ZONES COMPLETED OR TESTED		
INITIAL DATE	SAND	DAILY RATE TEST

Other Potential Zones Sand Log Top Net Ft

COMMENTS

10980
14 10978 60
80 45 10898 15
134 10896 81

20" Conductor Set @ 62'
5 5" 17# K-55 Burst = 5320psi
5 5" 17# K-55 Collapse = 4910psi
5 5" 17# Capacity = 0.0232 bbl/ft
5 5" 17# N-80 Burst = 7740psi
5 5" 17# N-80 Collapse = 6290psi
13 375" 68# K-55 LTC @ 1670' cemented
w/1080s, CLC w/1 1/2 gal, 3% NaCl, 1 3/4 yield
Cement returns to surface (24 bbls)

9 625" 47# P110 & 40# K55 LTC @ 4505'
Cmtd with 900 s, 15 65 Poz H Lead (12 8ppg,
1 90 yield) + 450 s, Tail 50 50 Poz H (14 2ppg,
1 3 yield)
Good cmtd returns to surface (24 bbls)

RFT Info

Zones with pay

TOC (Lead) outside 5 5" @ 10307' (est)

5 5" 17# N-80 & K-55 LTC @ 10980'

Cmtd w/700s, Lead 50 50 Poz H w/10% gel &
5% NaCl at 11 8ppg and 2 45 yield. Triled
w/180s, 15 61 11 Poz C, w/1 4% NaCl +
0 2% NaMetasilicate + 0 0% FL-25 at 13 2ppg
and 1 63 yield
2/11/2009

TD = 11000' MD