

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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 ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

E. Alex Phillips

3. ADDRESS OF OPERATOR

1200 PHILTOWER BLDG. TULSA OK 74103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1827 FSL and 1846 FEL SEL 26-25N-2W

At top prod. interval reported below SAME AS ABOVE

At total depth SAME AS ABOVE

14. PERMIT NO. DATE ISSUED
BUREAU OF LAND MANAGEMENT
HARMINGTON RESOURCE AREA

15. DATE SPUDDED 5/13/84 16. DATE T.D. REACHED 5/28/84 17. DATE COMPL. (Ready to prod.) 3/1/85 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 7404 GR 19. ELEV. CASINGHEAD 7404

20. TOTAL DEPTH, MD & TVD 8200 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* TWO 23. INTERVALS DRILLED BY ROTARY TOOLS 0-T.D. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6,828'-7,123' MANCOS 25. WAS DIRECTIONAL SURVEY MADE YES

26. TYPE ELECTRIC AND OTHER LOGS RUN INDUCTION, CNL-FDC 27. WAS WELL CORRED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# K-55	215'	12 1/4"	110 EX CLASS B w/ 1/4" CaCl per ex	— 0 —
7"	23# and 26# K-55	8193'	8 3/4"	* see attachment	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8" 4.7#	6,948'	7150'
							7832'

31. PERFORATION RECORD (Interval, size and number)

6828-7123, 0.31" dia, 46 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
* see attachment	

33.* PRODUCTION

DATE FIRST PRODUCTION

10/29/84

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

PUMPING CMI 456 w/ HF 1 1/4" x 18' x 4' x 2"

WELL STATUS (Producing or shut-in)

SI - WOPLC for GAS

DATE OF TEST

2/14/85

HOURS TESTED

24

CHOKES SIZE

3/4"

PROD'N. FOR TEST PERIOD

→

OIL—BBL.

23

GAS—MCF.

150

WATER—BBL.

6-load

GAS-OIL RATIO

6522:1

FLOW. TUBING PRESS.

CASING PRESSURE

50#

CALCULATED 24-HOUR RATE

→

OIL—BBL.

23

GAS—MCF.

150

WATER—BBL.

6-load

OIL GRAVITY-API (CORR.)

43°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTED; used for PU fuel

TEST WITNESSED BY

Roy Garrow

35. LIST OF ATTACHMENTS

one page - 28, 31, 32, DEVIATION REPORT

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Christopher L. Phillips

TITLE

MANAGER OF FIELD OPERATIONS

DATE

3/18/85

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
TERTIARY	2350	2700	H ₂ and CH ₄	NO ALAMO	3221	(ALL TVD'S SAME AS MID'S)
PIC. CLIFFS	3480	3540	DEPLETED GAS RESERVOIR	KIRTLAND	3356	
CHACRA	4450	4485	SLIGHT PORO. ; MINOR GAS SHOW	FRUITLAND	3430	
MEGA VERDE	5190	5900	OIL, GAS and WATER indicated	PIC. CLIFFS	3479	
UPPER MANCOS	{ 6020 6410 }	{ 6077 6500 }	SLIGHT OIL indication	LEWIS	3628	
GALLUP	6720	7150	GAS and OIL	CHACRA	4448	
SANDSTEE	7420	7550	GAS and OIL	CLIFF HOUSE	5190	
GREENHORN	7720	7760	GAS	MENEFEE	5321	
DAKOTA	{ 7898 8000 }	{ 8000 8031 }	OIL and GAS	POINT LOOKOUT	5612	
			SLIGHT OIL indication; looks water wet.	MANCOS	5896	
				GALLUP	6700	
				DAKOTA	7856	

E. ALEX PHILLIPS
1200 PHILTOWER BLDG.
TULSA, OKLA. 74103

Attachment to Form 3160-4
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
for the GAVILAN FEDERAL #2 WELL
dated 3/17/85

28. PRODUCTION CASING and CEMENTING RECORD

A. 7" 23# and 26# K-55, SET at 8,193'; 8.75" HOLE

B. CEMENTING RECORD(3 STAGE)

1.1 PUMP 10 bbls CW

2 LEAD SLURRY: 125 sx Lite 65/35 cement w/ 6% gel, 10# D-42/sx, 1/4# D-29 flake/sx, 7% D-44 (salt)

3 TAILED IN w/ 300 sx RFC 10-0+, w/ 6# D-42/sx, 1/4# D-29/sx

2.4 PUMP 10 bbls CW

5 LEAD SLURRY: 150 sx 65/35 Lite w/ 6% gel, 10# D-42/sx 1/4# D-29 flake/sx, 7% D-44

6 TAILED IN w/300 sx RFC 10-0+,w/ 6# D-42/sx, 1/4# D-29 flake/sx

3.7 PUMP 10 bbls CW

8 LEAD SLURRY: 200 sx 65/35 Lite w/ 6% gel, 10# D-42/sx 1/4# D-29 flake/sc, 7% D-44

9 TAILED IN w/ 150 sx Class B+7% salt,6# D-42/sx, 1/4# D-29/sx

31. PERFORATION RECORD:

A. 7,902'-7,998' --- 14 holes (.31" dia.)

B. 7,740'-7,805' --- 14 holes (.31" dia.)

C. 6,828'-7,123' --- 46 holes (.31" dia.)

32. ACID and FRAC RECORD:

A. 7,902'-7,998' --- acidized w/ 1500 gals 15% HCL w/ Surfactants, Cla-Sta @ Ave. Inj. Rate 4 BPM @ 3000#

B. 7,740'-7,805' --- acidized w/ 1500 gals 15% HCL Cla-Sta, Fe sequest. Agent @ 3 BPM @ 3,100#

C. 7,902' -7,998' and 7,740 -7805' --- FRAC : 25 BPM w/ 70,000 gals 80 qual. N2 foam & 65,000# 20/40 sand AIR: 25 BPM ; AIP 3,500# Csg, 6,700# Tbg.

D. 6,828' -7,123' --- acidized w/ 2000 gals 15% HCL w/ Cla-Sta, Fe sequest. Agent. Balled out to 4500# ISDP 600#

E. 6,828' -7,123' --- FRAC: 50 BPM w/ 60,000 gals 80 qual. N2 foam & 60,000# 20/40 sand. Max. IP: 2980# Csg, 6900# Tbg. Ave. IP: 2800# Csg, 6000# Tbg. 10 min. SIP 1700# Csg & Tbg. (Frac was done through 23 perms:the zone was reperfed after frac, 1 foot above each original perf)

