

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-4-85			
Company BTA Oil Producers				Connection Phillips Petroleum Company				Lse NM-20979	
Pool Lea				Formation Pennsylvanian				Unit	
Completion Date 4-25-85		Total Depth 13,522'		Plug Back TD 13,048'		Elevation 3,673' GR		Farm or Lease Name Lynch, 8212 JV-P	
Csg. Size 5-1/2"	Wt. 20#	d	Set At 13,522'	Perforations: From 12,984' To 13,047'		Well No. 2			
Tbg. Size 2-7/8"	Wt. 6.5#	d 2.441	Set At 12,854'	Perforations: From To		Unit K	Sec. 24	Twp. 20-S	Rge. 34-E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 12,854'		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F 1680# 13,100'		Mean Annual Temp. °F --		Baro. Press. - P _a 13.2		State New Mexico	
L .12854	H 12854	Gg 0.69	% CO ₂ 0.45	% N ₂ 0.53	% H ₂ S	Prover	Meter Run X	Taps F	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI				3750							
1.	4.026 X 0.750				230		285	60	Pkr	--	24 hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	2.661		243.7	1.00	1.204	1.027	290
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.36	520	1.34	0.948	24.19 Mcf/bbl.	51 Deg.	0.69	X X X X X X X X	669 P.S.I.A.	388 R
2.										
3.										
4.										
5.										

P _c 3673.2 P _c ² 14,162				
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		298.2	89	14073
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{14162}{14073}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 292$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0063$$

Absolute Open Flow	292	Mcf/d @ 15.025	Angle of Slope @	45°	Slope, n	1.00
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Remarks: Average rate. Well flows by heads. Stabilized flow impossible.

Approved By Commission:	Conducted By: J. Loughmiller	Calculated By: O. V. SIVAGE	Checked By:
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RECEIVED

JUN 10 1985

G. C. R.
HOBBY OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-20979
2. NAME OF OPERATOR BTA Oil Producers		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 104 South Pecos; Midland, Texas 79701		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1,980' FSL and 1,980' FWL		8. FARM OR LEASE NAME Lynch, 8212 JV-P
14. PERMIT NO. _____ Date 10-25-85		9. WELL NO. 2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,673' GR 3,693' KB		10. FIELD AND POOL, OR WILDCAT Lea (Pennsylvanian)
		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 24, T-20-S, R-34-E
		12. COUNTY OR PARISH Lea
		13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) _____

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) _____

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

Spud and Casing

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12-21-84 Spudded @ 10:30 p.m. - Drlg 26" hole in surface rock and red beds.
12-23-84 Cmt'd 20" csg @ 700' w/1250 sx. Cmt. Circ. WOC.
12-24-84 Tested csg and BOP's to 500 psi for 30 min. OK. Drlg 17-1/2" hole.
1-2-85 Cmt'd 13-3/8" csg @ 3600' w/2,600 sx. Cmt circ. WOC.
1-3-85 Tested csg and BOP's to 1500 psi for 30 min. OK. Drlg 12-1/4" hole.
1-8-85 Cmt'd 9-5/8" csg @ 5,500' w/1,800 sx. Cmt. Circ. WOC.
1-9-85 Tested csg and BOP's to 2500 psi for 30 min. OK.
Drlg 8-3/4" hole in dolomite.
2-11-85 Depth 13,107' DST #1 - 13,030' to 13,107'.
2-13-85 Depth 13,191' DST #2 - 13,122' to 13,191'.
2-25-85 TD 13,522'. Ran BHC - Sonic from 13,521' to 5,506' w/GR to surface.
2-26-85 Cmt'd 5-1/2" csg @ 13,522' w/2,600 sx TOC @ 4,420'.
Released Rig: 12:00 p.m. 2-27-85. Prep to complete.

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

SIGNED Dorothy Houghton TITLE Regulatory Supervisor DATE 3/11/85

(This space for Federal or State office use)

APPROVED BY ACCEPTED FOR RECORD TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAR 15 1985

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

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MAR 14 1985

HOUSTON OFFICE



PHILLIPS OIL COMPANY

A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY

PERMIAN BASIN REGION

ODESSA, TEXAS 79762
4001 PENBROOK

DATE: June 7, 1985

ENERGY AND MINERALS DEPT.
OIL CONSERVATION DIVISION
ATTN: MR. JERRY SEXTON
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

NOTICE OF GAS CONNECTION

This is to notify the Oil Conservation Commission that connection for the
purchase of gas from BTA OIL PRODUCERS
Operator

Lynch "8212" JVP #2, J, 24-20-34, Lea Pennsylvanian
Lease Well Unit S. T. R. Pool

Phillips Petroleum Company, was made on May 20, 1985
Name of Purchaser

Phillips Oil Company
A Subsidiary Of Phillips Petroleum Company

J. B. Rush
J. B. Rush - Representative

Production Records Supervisor
Room 215 Phillips Building

cc: To Operator
Oil Conservation Commission - Santa Fe

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JUN 10 1985

CCB
HON. SEC. OF STATE