



Railroad Commission of Texas

Form W-2

1701 N. Congress  
P.O. Box 12967  
Austin, Texas 78701-2967

Status: Approved  
Date: 08/14/2024  
Tracking No.: 316816

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

Operator Information			
Operator	PDEH LLC	Operator	646827
Operator	600 W ILLINOIS AVE MIDLAND, TX 79701-0000		

Well Information			
API	42-301-36071	County:	LOVING
Well No.:	2901H	RRC District	08
Lease	UL 20 GOLD SPOON	Field	PHANTOM (WOLFCAMP)
RRC Lease	60535	Field No.:	71052900
Location	Section: 29, Block: 20, Survey: UL, Abstract: U43		
Latitude	31	Longitud	-103
This well is 15.5 miles in a SE direction from MENTONE, which is the nearest town in the			

Filing Information			
Purpose of	Initial Potential		
Type of	New Well		
Well Type:	Producing	Completion or Recompletion	12/17/2023
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or Rule 37 Exception	09/06/2022	883528	
Fluid Injection			
O&G Waste Disposal			
Other:			

Completion Information			
Spud	10/29/2022	Date of first production after rig	12/17/2023
Date plug back, deepening, drilling operation	10/29/2022	Date plug back, deepening, recompletion, drilling operation	02/21/2023
Number of producing wells on this lease this field (reservoir) including this	7	Distance to nearest well in lease & reservoir	890.0
Total number of acres in	640.70	Elevation	2793 GL
Total depth TVD	11904	Total depth MD	16770
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	No	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	27.0 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Neutron/Density logs (combo of tools)		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	290.0 Feet from the	Off Lease :	No
	990.0 Feet from the	SE Line and	
		SW Line of the	
		UL 20 GOLD SPOON Lease.	

Former Field (With Reservoir) & Gas ID or Oil Lease No.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
PACKET:	N/A		

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	1100.0	Date 09/06/2022
SWR 13 Exception	Depth		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of	12/30/2023	Production	Flowing
Number of hours	24	Choke	48/64
Was swab used during this	No	Oil produced prior to	8916.00
PRODUCTION DURING TEST PERIOD:			
Oil	993.00	Gas	3747
Gas - Oil	3773	Flowing Tubing	950.00
Water	4889		
CALCULATED 24-HOUR RATE			
Oil	993.0	Gas	3747
Oil Gravity - API - 60.:	42.0	Casing	1254.00
Water	4889		

CASING RECORD											
Ro	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size (in.)	Size	Depth	Stage Tool	Stage Shoe	Class	Amoun	Volume (cu.	Cement (ft.)	Determined By
1	Surface	10 3/4	14 3/4	1176			C	786	1389.0	0	Circulated to Surface
2	Intermediate	7 5/8	8 3/4	11230			NEOCEM HALCEM	895	2493.0	0	Circulated to Surface
3	Conventional Production	5 1/2	6 3/4	16750			NEOCEM	1190	1848.0	0	Circulated to Surface

LINER RECORD									
<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
N/A									

TUBING RECORD			
<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>
1	2 7/8	11300	
			<u>Packer Depth (ft.)/Type</u>
			11281 / ASX1

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 11618	16688.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment	Yes		
Is well equipped with a downhole sleeve?	No	If yes, actuation pressure	
Production casing test pressure (PSIG)		Actual maximum pressure (PSIG) during	
hydraulic fracturing	12000	fracturin	11599
Has the hydraulic fracturing fluid disclosure been	Yes		
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>

FORMATION RECORD					
Formations	Encountere	Depth TVD	Depth MD	Is formation	Remarks
RED BLUFF	No			No	DID NOT ENCOUNTER
DELAWARE	Yes	5131.0	5148.0	Yes	
BELL CANYON	Yes	5159.0	5175.0	Yes	
CHERRY CANYON	Yes	6112.0	6128.0	Yes	
BRUSHY CANYON	Yes	7420.0	7437.0	Yes	
BONE SPRING	Yes	8702.0	8719.0	Yes	
BONE SPRING 2	Yes	10371.0	10390.0	Yes	
BONE SPRING 3	Yes	11077.0	11090.0	Yes	
WOLFCAMP	Yes	11636.0	11680.0	Yes	PRODUCING INTERVAL
PENNSYLVANIAN	No			No	BELOW TVD
STRAWN	No			No	BELOW TVD
ATOKA - HIGH PRESSURE	No			No	BELOW TVD
MORROW	No			No	BELOW TVD
DEVONIAN	No			No	BELOW TVD
FUSSELMAN	No			No	BELOW TVD
ELLENBURGER	No			No	BELOW TVD
PRECAMBRIAN (UNDIFFERENTIATED)	No			No	BELOW TVD
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm					Yes
Is the completion being downhole commingled			No		

REMARKS

KOP 11315

RRC REMARKS	
<b>PUBLIC COMMENTS:</b> [RRC Staff 2024-08-07 11:14:18.131] EDL=5070 feet, max acres=704, PHANTOM (WOLFCAMP) Field; take points: 11618-16688	
<b>CASING RECORD :</b>	
<b>TUBING RECORD:</b> KOP 11315	
<b>PRODUCING/INJECTION/DISPOSAL INTERVAL :</b>	
<b>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</b>	
<b>POTENTIAL TEST DATA:</b>	

OPERATOR'S CERTIFICATION			
Printed	Martha Finley	Title:	Regulatory Coordinator
Telephone	(432) 688-6036	Date	06/17/2024