



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 06/04/2024
Tracking No.: 312078

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	PDEH LLC	Operator	646827
Operator	600 W ILLINOIS AVE MIDLAND, TX 79701-		

WELL INFORMATION			
API	42-301-36079	County:	LOVING
Well No.:	503H	RRC District	08
Lease	UL 20 PADDLE TAIL B	Field	PHANTOM (WOLFCAMP)
RRC Lease	60916	Field No.:	71052900
Location	Section: 5, Block: 20, Survey: UL, Abstract: U30		
Latitude	31	Longitud	-103
This well is	14.2	miles in a	NE
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	10/25/2023
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or	09/20/2022	883697	
Rule 37 Exception			
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	12/08/2022	Date of first production after rig	10/25/2023
Date plug back, deepening, drilling operation	12/08/2022	Date plug back, deepening, recompletion, drilling operation	04/18/2023
Number of producing wells on this lease this field (reservoir) including this	12	Distance to nearest well in lease & reservoir	786.0
Total number of acres in	1922.10	Elevation	2823 GL
Total depth TVD	12045	Total depth MD	24860
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	22.5 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Neutron logs		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	608.0 Feet from the	Off Lease :	No
	2119.0 Feet from the	NW Line and	
		SW Line of the	
		UL 20 PADDLE TAIL B 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	1200.0	Date 09/08/2022
SWR 13 Exception	Depth		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of	03/05/2024	Production
Number of hours	24	Flowing
Was swab used during this	No	Choke
		64/64
		Oil produced prior to
		132161.00
PRODUCTION DURING TEST PERIOD:		
Oil	913.00	Gas
Gas - Oil	1315	1201
Water	2979	Flowing Tubing
		1256.00
CALCULATED 24-HOUR RATE		
Oil	913.0	Gas
Oil Gravity - API - 60.:	55.0	1201
Water	2979	Casing
		623.00

CASING RECORD											
		Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
Ro	Type of	Size	Size	Depth	Stage	Tool	Class	Amoun	Volume	Cement	Determined
	Casing	(in.)							(cu.	(ft.)	By
1	Surface	10 3/4	14 3/4	1255			C	839	1512.0	0	Circulated to Surface
2	Intermediate	7 5/8	9 7/8	11420	8439		ECO & HALCEM	965	800.0	0	Circulated to Surface
3	Intermediate	7 5/8	8 3/4	11420			NCO & HALCEM	1510	3526.0	8439	Calculation
4	Conventional Production	5 1/2	6 3/4	24835			NEOCEM	2005	2686.0	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	11503	
			<u>Packer Depth (ft.)/Type</u>
			/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 11723	24758.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		Yes	
Is well equipped with a downhole sleeve?		No	
Production casing test pressure (PSIG)		Actual maximum pressure (PSIG) during	
hydraulic fracturing	12500	fracturin	11753
Has the hydraulic fracturing fluid disclosure been		Yes	
Ro	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	SEE FRAC FOCUS	11723 24758

FORMATION RECORD					
Formations	Encountere	Depth TVD	Depth MD	Is formation	Remarks
RED BLUFF	No			No	DID NOT ENCOUNTER
DELAWARE	Yes	5153.0	5201.0	Yes	
BELL CANYON	Yes	5173.0	5221.0	Yes	
CHERRY CANYON	Yes	6174.0	6230.0	Yes	
BRUSHY CANYON	Yes	7573.0	7629.0	Yes	
BONE SPRING	Yes	8928.0	8985.0	Yes	
BONE SPRING 2	Yes	10415.0	10473.0	Yes	
BONE SPRING 3	Yes	10799.0	10856.0	Yes	
WOLFCAMP	Yes	11774.0	11921.0	Yes	
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

RRC REMARKS	
PUBLIC COMMENTS: [RRC Staff 2024-05-20 17:21:54.032] EDL=13030 feet, max acres=704, PHANTOM (WOLFCAMP) Field; take points: 11723-24758	
CASING RECORD : MULTI STATE INTERMEDIATE CASING DVT @5158 KOP 11542	
TUBING RECORD:	
PRODUCING/INJECTION/DISPOSAL INTERVAL : KOP 11542	
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :	
POTENTIAL TEST DATA:	

OPERATOR'S CERTIFICATION			
Printed	Martha Finley	Title:	Regulatory Coordinator
Telephone	(432) 688-6036	Date	06/03/2024