



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.: 312163

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	42-301-36081	County:	LOVING
Well No.:	553H	RRC District	08
Lease	UL 20 PADDLE TAIL D	Field	TWO GEORGES (BONE SPRING)
RRC Lease	60906	Field No.:	92100050
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 Rule 37 Exception	09/20/2022	883732	
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	12/14/2022	Date of first production after rig	10/25/2023
Date plug back, deepening, drilling operation	12/14/2022	Date plug back, deepening, recompletion, drilling operation	02/15/2023
Number of producing wells on this lease this field (reservoir) including this	2	Distance to nearest well in lease & reservoir	300.0
Total number of acres in	1922.10	Elevation	2822 GL
Total depth TVD	10346	Total depth MD	23260
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)	30.0 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	Off Lease : No		
	656.0 Feet from the NW Line and		
	2155.0 Feet from the SW Line of the		
	UL 20 PADDLE TAIL D 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	Flowing
Number of hours	24		Choke	64/64
Was swab used during this	No		Oil produced prior to	105111.00
PRODUCTION DURING TEST PERIOD:				
Oil	1050.00		Gas	1298
Gas - Oil	1236		Flowing Tubing	784.00
Water	3662			
CALCULATED 24-HOUR RATE				
Oil	1050.0		Gas	1298
Oil Gravity - API - 60.:	55.0		Casing	778.00
Water	3662			

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	1289			C	839	1512.0	0	Circulated to Surface
2	Intermediate	7 5/8	9 7/8	9771	5137		H	965	1785.0	0	Circulated to Surface
3	Intermediate	7 5/8	8 3/4	9771			H	1380	3214.0	5137	Calculation
4	Conventional Production	5 1/2	6 3/4	23219			C	1670	2533.0	0	Circulated to Surface

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

TUBING RECORD			
Ro	Size (in.)	Depth	Size (ft.)
1	2 7/8	9844	Packer Depth (ft.)/Type /

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Ro	Open hole?	From (ft.)	To (ft.)
1	No	L1 10416	23146.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		No	
Is well equipped with a downhole sleeve?		No	
Production casing test pressure (PSIG)		Actual maximum pressure (PSIG) during	
hydraulic fracturing	12500	fracturin	11312
Has the hydraulic fracturing fluid disclosure been		No	
Ro	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	SEE FRAC FOCUS	10416 23146

FORMATION RECORD					
Formations	Encountere	Depth TVD	Depth MD	Is formation	Remarks
RED BLUFF	No			No	DID NOT ENCOUNTER
DELAWARE	Yes	5162.0	5265.0	Yes	
BELL CANYON	Yes	5186.0	5289.0	Yes	
CHERRY CANYON	Yes	6178.0	6303.0	Yes	
BRUSHY CANYON	Yes	7578.0	7720.0	Yes	
BONE SPRING	Yes	9278.0	9421.0	Yes	PRODUCING FROM BONE SPRING 1
WOLFCAMP	No			No	BELOW TVD
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
BONE SPRING 2	No			No	BELOW TVD
BONE SPRING 3	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 14:24:33.841] EDL=12760 feet, max acres=704, TWO GEORGES (BONE SPRING) Field; take points: 10416-23146	
CASING RECORD : DVT @ 5137 MULTISTAGE INTERMEDIATE	
TUBING RECORD:	
PRODUCING/INJECTION/DISPOSAL INTERVAL : KOP 9877	
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. : KOP 9877	
POTENTIAL TEST DATA:	

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