

NOV 18 1985

CONSERVATION DIVISION

SIDE TWO

Operator Name Black Diamond Oil Lease Name..... McMahan Well #..... 2

Sec..... 33 Twp..... 6S Rge..... 20 ☐ East
☒ West County..... Rooks

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☒ Yes ☐ No
Samples Sent to Geological Survey ☐ Yes ☒ No
Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

DST #1 3482-3525'

45-45-45-45

Pressures: IF: 43-101#, FF: 123-159#

ISI: 812#, FSI: 754#

Recovered: 330' gas in pipe, 95' clean gassy oil,
60' oil cut muddy water, 240' water

DST #2 3571-3620'

No pressures

Recovered: 5' of mud

DST #3 3630-3716'

45-45-75-45

Pressures: IF: 57-86#, FF: 101-130#

ISI: 1037#, FSI: 936#

Recovered: 355' of gas in pipe, 95' free oil
90' heavy oil cut mud, 10% gas, 40% oil, 50% mud

Name	Top	Bottom
Anhydrite	1821'	
Base Anhydrite	1851'	
Topeka	3218'	
Heebner	3423'	
Toronto	3447'	
Lansing-K.C.	3461'	
Base K.C.	3659'	
Marmaton	3682'	
Conglomerate	3702'	
Arbuckle	3717'	
T.D.	3719'	

CASING RECORD ☒ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	20	210'	60/40 poz	150	2% gel, 3% c.c.
Production	7-7/8"	4-1/2"	10 1/2	3715' KB	60/40 poz	150	5G gilsonite & 2% gel

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	3713, 3703, 3649	250 gls. 15% mud acid	3498-3500
4	3648-50	250 gls. 15% mud acid, retreat w/	3520-21
4	3614-16	2000 gls. 15% dem. acid	
1	3520-21	250 gsl. 15% mud acid	3614-16
2 1/2	3520-22	2500 gls. 20% dem. acid	3648-50
2 1/2	3498-3500	750 gls. 15% mud acid, retreat w/ 2500 gls. 15% mud acid	2500 gl. 3713-3703 & 3649

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☒ No
	2 3/8"	3713.5	n/a		

Date of First Production	Producing Method
10/09/85	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	20 Bbls	0 MCF	150 Bbls	CFPB	34°

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify)
☐ Used on Lease ☐ Dually Completed
☐ Commingled