

New Mexico State "Y"
Well No. 2

Osudo (Wolfcamp) Field
Lea County, New Mexico

WARRANTS OFFICE D.C.C.
FEB 26 11 11 AM '65

DST No. 1:

9,740-9,900 (Lower Bone Springs) Tool open 90 minutes. Good blow to fair in 30 minutes to dead in 90 minutes. Rec. 370' HSGM, 2790' GC sulfur water with trace of oil, 5489' slightly GC sulfur water. BHT - 138° F.

45" ISIP - 4081 PSI
FP - 2,235 - 3,974 PSI
45" PSIP - 3995 PSI

DST No. 2:

10,190-10,215 (Wolfcamp) Tool open 7 hours;

Production Rates

<u>Choke</u>	<u>Time</u>	<u>TP</u>	<u>Oil Rate</u> <u>BPM</u>	<u>Gas Rate</u> <u>MCFPD</u>	<u>GOR</u>
1/4"	60 min.	870	0	961	
3/8"	120 min.	620	10.5	2850	11,310
3/4"	90 min.	350	8.8		
1"	90 min.	210	13.3	3000	9,398

Oil Gravity 52° BHT - 184° F
30 " ISIP - 4338 PSI
FP - 858 - 4,569 PSI
75" PSIP - 4251 PSI

DST No. 3:

Test failed.

DST No. 4:

10,215-245 (Wolfcamp) Tool open 5 hours, production rates with 1/2" surface choke.

<u>Time</u>	<u>TP</u>	<u>Oil Rate</u> <u>BOPH</u>	<u>Gas Rate</u> <u>MCFPD</u>
60 min.	1400	30.31	9500
60 min.	1500	51.40	9200
60 min.	1550	52.96	8750
60 min.	1600	50.99	9010
60 min.	1600	52.73	9010

Oil Gravity 57.2° API BHT - 144° F
105" ISIP - 4297 PSI
FP - 2017 - 3248 PSI
150" PSIP - 4160 PSI (increasing)

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DST No. 5:

10,245-275' (Wolfcamp) Tool open 5 hours with 5.8" BH choke and 1/2" surface choke.

Production Rates

<u>Time</u>	<u>TP</u>	<u>Oil Rate</u> <u>BOPM</u>	<u>Gas Rate</u> <u>MCFPD</u>
70 min.	550	51	3070
60 min.	670	65	4000
60 min.	725	63	4350
60 min.	765	61	4640
50 min.	785	40	4700

Oil Gravity 42.8° API BHT - 147° F
45" ISIP - 4172 PSI
FP - 710-2270 PSI
FSIP - 4089 (increasing)

DST No. 6:

10,282-10,330' (Wolfcamp) Tool open 4 hours. GTS in 47 minutes with fair blow during test TSTM. Rec. 8370' salt water and 830' oil.

47" ISIP - 4023 PSI
FP - 981 - 3673 PSI
90" FSIP - 4044 PSI

DST No. 7:

10,448-488' (Strawn) Tool open 1-1/2 hours. Fair blow during test. GTS in 1 minute. TSTM. Rec. 10,380' gas and 60' slightly oil and gas cut mud. BHT 143° F.

30" ISIP - 1076 PSI
FP - 53 - 74 PSI
45" FSIP - 832 PSI