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**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105
Revised 11-1-81

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

5a. Indicate Type of Lease

State ☒ Fee ☐

5. State Oil & Gas Lease No.

B-4109

2. Name of Operator

Arrowhead Oil Corporation

3. Address of Operator

P. O. Box 548, Artesia, New Mexico 88210

4. Location of Well

7. Unit Agreement Name

8. Farm or Lease Name

Hover State

9. Well No.

#1

10. Field and Pool, or Wildcat

Maljamar/Grbg-S.A.

UNIT LETTER **D** LOCATED **330** FEET FROM THE **North** LINE AND **990** FEET FROM

THE **West** LINE OF SEC. **32** TWP. **17-S** RGE. **32-E**

12. County

Lea

15. Date Spudded **6-13-80** 16. Date T.D. Reached **6-20-80** 17. Date Compl. (Ready to Prod.) **7-15-80** 18. Elevations (DF, RKB, RT, GR, etc.) **3909' KB** 19. Elev. Cushinghead **3897' GL**

20. Total Depth **4250' KB** 21. Plug Back T.D.

22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools **0 - 4250'** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

3894' - 4088' Grayburg/San Andres

25. Was Directional Survey Made

Type Electric and Other Logs Run

Gamma Ray - Neutron Log

27. Was Well Cored

No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	913'	12 1/4"	200 Sacks	None
4 1/2"	10.5#	4238'	7 7/8"	475 Sacks	None

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4024'	

31. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4050-52' (2)	3894-98' (4)			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4062-66' (4)	3926-30' (4)			4052' - 4088'	25,000# 20/40 Sand Frac
4078-88' (10)	3975-79' (4)			3894' - 4016'	23,200# 20/40 Sand Frac
	3995-99' (4)				
	4012-16' (4)				

3. PRODUCTION

Date First Production **7-16-80** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Producing**

Date of Test 7-23-80	Hours Tested 24 Hours	Choke Size	Prod'n. For Test Period	Oil - Bbl. 80	Gas - MCF 30	Water - Bbl. 30 LW	Gas - Oil Ratio
Flow Tubing Press. 50#	Casing Pressure 500#	Calculated 24-Hour Rate	Oil - Bbl. 80	Gas - MCF 30	Water - Bbl. 30 LW	Oil Gravity - API (Corr.)	

4. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented - Waiting on Conco

Test Witnessed By

35. List of Attachments

Logs and Deviation Survey

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED *George A. Loyd* TITLE Production Clerk DATE August 4, 1980

From	To	Thickness in Feet	Formatio
0	120	120	Sand
120	530	410	Red Rock
530	540	10	Sand
540	890	350	Red Rock
890	1060	170	Anhydrite
1060	2055	995	Salt
2055	2310	255	Anhydrite & Salt
2310	2340	30	Anhydrite & Shale
2340	2380	40	Anhydrite
2380	2400	20	Shale
2400	2410	10	Dolomite, Anhydrite & Shale
2410	2440	30	Anhydrite & Shale
2440	2460	20	Anhydrite
2460	2470	10	Anhydrite & Shale
2470	2480	10	Anhydrite
2480	2490	10	Anhydrite & Shale
2490	2500	10	Anhydrite & Dolomite
2500	2520	20	Anhydrite, Dolomite & Sand
2520	2530	10	Anhydrite
2530	2550	20	Anhydrite & Dolomite
2550	2570	20	Anhydrite, Dolomite & Shale
2570	2780	210	Dolomite & Anhydrite
2780	2790	10	Dolomite, Anhydrite & Shale
2790	2800	10	Anhydrite & Dolomite
2800	2810	10	Anhydrite
2810	2820	10	Anhydrite & Dolomite
2820	2830	10	Anhydrite, Dolomite & Shale
2830	2860	30	Dolomite & Anhydrite
2860	2880	20	Anhydrite, Dolomite & Shale
2880	2910	30	Anhydrite & Dolomite
2910	2920	10	Anhydrite, Dolomite & Shale
2920	3000	80	Anhydrite & Dolomite
3000	3010	10	Anhydrite, Dolomite & Shale
3010	3030	20	Anhydrite & Dolomite
3030	3070	40	Anhydrite, Dolomite & Shale
3070	3090	20	Anhydrite & Dolomite
3090	3110	20	Anhydrite, Dolomite & Shale
3110	3130	20	Anhydrite & Dolomite
3130	3170	40	Anhydrite, Dolomite & Shale
3170	3180	10	Anhydrite & Dolomite
3180	3200	20	Anhydrite, Dolomite & Shale
3200	3210	10	Anhydrite & Dolomite
3210	3240	30	Anhydrite, Dolomite & Shale
3240	3650	410	Anhydrite, Dolomite & Sandy Shale
3650	3670	20	Dolomite & Sandy Shale
3670	3730	60	Dolomite
3730	3740	10	Dolomite & Shale
3740	3750	10	Dolomite
3750	3780	30	Dolomite & Sand
3780	3790	10	Dolomite
3790	3820	30	Dolomite & Shale
3820	3840	20	Dolomite
3840	3850	10	Dolomite & Sand
3850	3860	10	Dolomite
3860	3870	10	Dolomite & Sand
3870	3900	30	Dolomite
3900	3920	20	Dolomite & Sand
3920	3930	10	Dolomite
3930	4000	70	Dolomite & Sand
4000	4070	70	Dolomite
4070	4250	180	Dolomite



WM. N. MORGAN
Off. Ph.: 505-748-2194
Home Ph.: 505-748-2325
P. O. Drawer 1
Artesia, N.M. 88210

June 24, 1980

Arrowhead Oil Corp.
P.O. Box 548
Artesia, New Mexico 88210

Re: Hover State #1
Sec 32 Twn17S Rge32E
330/N 990/W Unit D
Pool: Maljamar
Lea County, New Mexico

Gentlemen:

The following is a Deviation Survey of the above well:

475' - 1/4 degree
920' - 1/2 degree
1440' - 1 degree
1944' - 1/2 degree
2515' - 3/4 degree
2888' - 1 degree
3262' - 1 degree
3737' - 1 1/4 degree
3748' - 1 1/4 degree
4250' - 1 degree

Yours truly,

William N. Morgan

William N. Morgan
Alta-West Drlg., Inc.

STATE OF NEW MEXICO)

COUNTY OF EDDY)

The foregoing was acknowledged before me this 25th day
of June, 1980, by William N. Morgan.

My Commission Expires:

9/17/80

Juanita Wright
Notary Public