

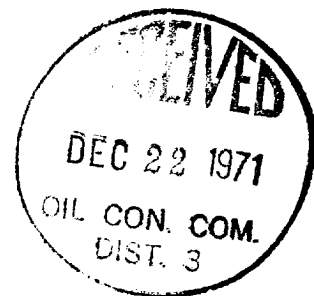
WELL REPORT

SHAR-ALAN OIL CORP.

FERNANDEZ No. 3

C SE NW Sec. 33-T16N-R8W NM PM

McKinley County, New Mexico



Well Report
Shar-Alan Oil Corp.
Fernandez No. 3
McKinley County, New Mexico

Location: C/SE/NW, Sec. 33 T16N, R8W, N.M.P.M.
Elevation: 6772 Ground Level; 6776 K.B. (Datum)
Contractor: Stewart Bros. Rig #27, WABCO2000, Rotary
Spud Date: September 9, 1971
Completion Date: September 16, 1971 P & A.
Total Depth: 2776' Driller, 2778' Welex.
Casing: Surface 7-5/8" CSA 34". Cem. w/6sx common.
Plugging: Dakota; 50' plug 2674' to 2624' & 50' plug 2570' to 2520' Massive Gallup; 50' plug 1660' to 1610' & 100' plug 1540' to 1440' Surface; 50' plug 1120' to 1070' - welded plate on surface pipe pending decision of land owner to complete as water well.

Electrical
Surveys: Welex - Induction - Electric Log 2668' to 38'
Gamma Ray - Density 2673' to 50'

Test Data: DST #1 2776-2522. Preflow 20 min. Initial shut-in 30 min. Flow - 1 hour, Final shut-in 1 hour. Opened tool, strong blow immediately. Died in 20 min. Very slight blow on second flow interval. Recovered 2230 feet mud cut fresh water. IFP 1015psig. ISIP 1015psig.

FORMATION TOPS

<u>Formation Name</u>	<u>Depth - K.B. Feet</u>	<u>K.B. Datum Feet</u>
Gallup	1260	+5516
Hospah Gallup	1422	+5334
Massive Gallup	1523	+5253
Middle Mancos	1625	+5151
Greenhorn	2260	+4516
Graneros	2310	+4466
Dakota	2343	+4433
Dakota DE Zone	2512	+4254
Morrison	2614	+4162
Total Depth	2676	+4100

SAMPLE DESCRIPTION

Top of Hospah Gallup 1422' (Log)

1400-30	Sltstn, 50%, ss gry fn gr 20%; shale, silty gry 30%
1430-70	Section as above w/40%ss; 20% sltstn & 40% sh
1470-80	Section as above w/50%ss; 20% sltstn & 30% sh
1480-90	Section as above w/30%ss; 20% sltstn & 50% sh
1490-1520	Sltstn 50%, sh, as above, 50%

Top of Massive Gallup 1523' (Log)

1520-30	Sltstn 80%, sh as above 20%
1530-50	ss, fn to med gr, well cons 80%, sltstn 10%, sh 10%
1550-90	Section as above, ss 70%; sltstn 20%, sh 10%
1590-1620	Section as above, ss 60%, sltstn 10%, sh 30%

Top of Middle Mancos 1625' (Log)

1620-1800	Section as above, ss decreasing to 10% sltstn and sh increasing to 40% each
1800-2330	Sh, 90%, sltstn 10%, some trace of ss

Top of Graneros 2310' (Log)

2330-60	Section as above, ss increase to 20%
2360-2400	Section as above, ss increase to 50%

Top of Dakota 2343' (Log)

2400-2510	Sh, dark gry, 90% few calcite xls w/scattered chert; ss, as above 10%
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Top of Dakota DE Zone 2512' (Log)

2510-20	Section as above, ss decrease to 20%
2520-70	Increase to 70% ss, lt gry, fn-med grn. 30% sh, as above.
2570-2620	Section as above, 50% ss, 50% dk gry sh

Top of Morrison 2614' (Log)

2620-60	Section as above, ss decrease to 20%, sh 80%
2660-70	Sh, lt grn 20%, ss 20%, dk gry sh 60%
2670-76	Sh, lt grn 30%, ss 20%, dk gry sh 50%

DRILLING TIME

Five foot drilling time from 65' to 2676' (TD).

Shar-Alan Fernandez No. 3
McKinley County, New Mexico
Drilling Time

Elevation 6772 GL
6776 KB
DF

Loc. SE NW
Sec. 33-16N-8W
6-1/4" hole
Stewart Bros.
Rig #27 WABCO 2000

-30' Surface

	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>	<u>100</u>
60-100													4	4	17	4	4	7	5	3
100-200	5	3	3	2	3	5	2	2	15	4	4	5	3	3	4	2	3	2	2	4
200-300	4	17	12	2	5	3	5	3	2	4	3	3	6	2	3	6	3	4	3	4
300-400	3	5	2	3	5	3	5	6	3	6	5	5	4	6	3	4	6	3	6	5
400-500	3	3	5	5	4	7	6	5	8	11	4	5	6	7	12	9	5	6	5	8
500-600	7	6	6	8	7	10	7	8	8	6	10	10	8	8	8	4	4	7	5	5
600-700	7	4	5	7	4	4	7	5	6	4	4	7	3	3	4	4	5	5	3	4
700-800	6	5	5	4	8	3	3	4	3	3	4	3	3	3	3	4	5	7	7	7
800-900	4	7	7	6	9	4	3	3	4	3	3	6	4	4	6	4	3	6	4	9
900-1000	5	4	7	6	5	5	10	7	4	8	6	6	4	4	4	6	3	3	5	4
000-1100	7	2	5	4	5	6	5	4	4	4	5	6	7	5	4	10	6	8	8	7
100-1200	10	5	10	8	9	13	12	12	14	12	12	9	7	7	10	9	10	---	42	---
200-1300	17	9	9	7	7	9	6	6	10	9	7	12	10	7	10	11	6	6	14	11
300-1400	7	4	5	13	13	13	13	17	20	20	13	13	19	18	14	20	18	15	18	11
400-1500	15	12	10	8	13	8	8	6	4	9	7	10	8	12	13	10	8	8	6	8
500-1600	10	11	10	9	13	14	8	8	6	3	3	4	4	3	3	3	2	3	3	3
600-1700	4	4	5	5	9	30	6	8	9	11	12	12	10	14	12	16	12	13	12	16
700-1800	17	16	13	15	12	12	10	12	15	16	14	13	17	17	15	15	13	13	13	16
800-1900	13	13	14	14	17	23	15	15	17	18	18	21	19	17	20	20	20	24	16	9
900-2000	10	12	12	12	8	11	11	11	13	10	7	11	18	8	17	15	16	16	10	12
000-2100	15	15	16	14	16	15	12	15	15	15	12	13	13	25	13	13	16	13	13	14
100-2200	15	13	15	16	14	13	16	16	6	6	10	10	11	10	8	12	12	10	11	12
200-2300	10	8	16	13	11	12	14	15	15	16	18	14	18	18	14	30	22	34	28	19
300-2400	14	25	13	10	16	14	14	14	12	12	14	16	13	17	13	13	16	18	19	16
400-2500	21	21	27	25	23	23	25	28	27	25	25	30	22	30	30	17	17	18	22	25
500-2600	28	24	17	6	12	13	12	14	14	14	11	12	13	12	15	14	13	18	22	39
600-2700	15	18	34	48	38	31	18	19	37	53	62	24	38	75	69					

SUMMATION

This well was spudded on September 9, 1971, and drilled to a total depth of 2676 feet and penetrated the Jurassic Morrison formation.

Evaluation by sample examination, evaluation of electrical surveys and results of a drill stem test of the Dakota formation indicated no commercial show of oil and/or gas in the prospective horizons.

Walter H. Williams
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