

WELL REPORT

SHAR-ALAN OIL CORPORATION

FERNANDEZ NO. 10

1800 Feet From the North Line & 720 Feet From the East Line

Sec. 33: T14N, R7W

McKinley County, New Mexico



WELL REPORT
Shar-Alan Oil Corporation
Fernandez No. 10
McKinley County, New Mexico

Location: 1800' FNL & 720' FEL, Sec. 33: T14N, R7W N.M.P.M.

Elevation: 7181' Ground Level, 7185' KB (Datum)

Contractor: Stewart Bros. Rig #24, WABCO 2000 Rotary

Spud Date: October 29, 1971

Completion Date: November 7, 1971

Total Depth: Driller 2998', Welex 2989' (KB)

Casing: Surface 7 5/8" CSA 34' Cem w/28 sx

Plugging: Dakota, 50' plug 2998 to 2948' & 2650' to 2700'. Massive Gallup 150' plug 2000' to 1850'. Surface 50' plug 1170' to 1120'. Landowner to take over well and complete as fresh water well.

Electrical

Surveys: Welex - Induction-Electrical log 2983' to 70'
Gamma Ray-Density Log 2988' to 650'.

Test Data: DST #1 2935' to 2998', 20 min. pre-flow 30 min shut-in, 30 min flow, 20 min shut-in. Recovered 920 feet fluid, mud cut fresh water. IHP 1485#, IFP 66#, FFP 92#, ISIP 856#, 2nd flw, IFP 264#, FFP 375#; 2nd SI, SIP 856#, FHP 1439#.

FORMATION TOPS

<u>Formation Name</u>	<u>Depth KB Feet</u>	<u>KB Datum Feet</u>
Hospah Gallup	1798	+5387
Massive Gallup	1888	+5297
Middle Mancos	1975	+5210
Greenhorn	2600	+4577
Graneros	2645	+4540
Dakota	2663	+4522
Dakota DE Zone	2870	+4315
Morrison	2972	+4213
Total Depth	2998	+4187

SAMPLE DESCRIPTION
(Tops shown are log tops)

Top of Hospah Gallup 1798'

1800-1920' Sh, lt gry 80%, sltstn 10%, ss lt gry, well cons 10%

Top of Massive Gallup 1888'

1920-50' Ss, lt gry, fn gr. med well rounded & cons calc. Now show 20%,
Sh, as above 70%, sltstn 10%.

1950-90' Section as above, ss 50%, sh 40%, sltstn 10%.

Top of Middle Mancos 1975'

1990-2000' Ss, as above 10%, lt gry sh 90%

2000-2100' Sh lt gry 90%, sltstn 10%

2100-2130' Sh, 40%, sltstn 60%

2130-2140' Sh, 80%, sltstn 20%

2140-70' Ss, tan to buff hard 10%, sh 80%, sltstn 10%

2170-2300' Sh, 80%, sltstn 10%, some free qtz xls

2300-2340' Sh, 60%, ss, lt gry med gr & cons 30%, calcite xls 10% to 30% in bottom
of section. Mud flocculated.

2340-2620' Sh 90%, sltstn 10%, some qtz xls & pyrite throughout.

Top of Greenhorn 2608' (poor samples)

2620-2660 Sh, as above 90%, sltstn 10%

Top of Graneros 2645'

2660-2680' Sh, as above 90%, some scattered ss & sltstn to total 10%.

Top of Dakota 2663'

2680-2740' Ss, lt gry fn to med gr. p-cons, no show, 40%, sh as above 60%

2740-2880' Sh, as above 90%, ss 10%

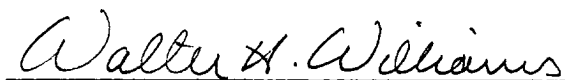
2880-2980' Ss, as above 40%, sh 60%

Top of Morrison 2972'

2980-2998 TD Sh as above 70%, white sltstn 30%.

SUMMARY

The Fernandez No. 10 was drilled to a total depth of 2998 feet penetrating the top of the Jurassic (Morrison) formation. Analysis of an electric log, samples and results of a DST indicated that no commercial hydrocarbons were present in this well. After plugging the well back to a depth of 1120 feet, the well was turned over to the landowner for completion as a fresh water well.


Walter H. Williams

DRILLING TIME - MINUTES PER FIVE FEET

SHAR-ALAN - FERNANDEZ No 10

MS KINLEY CO. NEW MEXICO

DEPTH	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
0-100										3	3	3	3	4	4	6	6	6	5	6
100-200	5	7	7	6	10	10	6	4	5	5	-	5	5	6	5	4	3	4	5	4
200-300	4	4	5	5	5	9	8	4	4	4	3	7	9	4	4	5	7	4	4	3
300-400	5	4	3	6	7	5	3	3	3	-	3	5	15	13	4	3	3	3	5	6
400-500	4	3	3	3	3	4	4	4	5	5	5	5	4	5	5	5	6	6	5	6
500-600	4	8	8	8	8	8	8	8	5	10	8	7	6	7	7	8	8	18	6	6
600-700	5	7	6	5	10	9	9	10	16	11	10	7	8	12	7	6	5	20	22	7
700-800	11	12	15	6	9	7	4	5	4	6	6	5	5	5	4	4	6	6	5	5
800-900	5	5	4	4	4	5	5	5	5	5	4	6	6	12	10	6	7	7	5	5
900-1000	5	5	5	5	7	8	7	8	10	9	7	7	7	9	7	7	7	7	5	5
1000-1100	6	6	7	7	7	13	8	11	7	7	8	5	7	10	-	6	6	7	5	5
1100-1200	5	5	4	8	8	9	13	12	10	11	12	13	15	14	17	12	13	15	17	12
1200-1300	12	13	12	15	16	12	13	14	13	8	11	8	16	15	9	8	7	4	3	3
1300-1400	3	3	5	5	6	6	6	6	6	8	6	8	9	10	12	11	11	14	24	11
1400-1500	12	12	21	10	11	15	19	16	15	14	14	14	14	10	12	11	17	14	12	17
1500-1600	20	17	17	12	14	9	10	10	9	14	16	12	12	8	10	8	8	14	10	8
1600-1700	6	7	9	8	12	14	10	12	16	15	16	16	14	10	12	18	20	21	20	18
1700-1800	17	18	17	18	19	27	21	16	20	20	20	6	8	14	13	14	15	12	10	9
1800-1900	9	11	12	8	11	11	10	11	15	10	11	12	14	16	17	11	12	11	12	13
1900-2000	14	11	17	20	12	12	21	13	17	15	14	13	18	18	18	22	26	24	12	13
2000-2100	17	17	24	26	20	18	20	18	14	20	26	19	18	18	22	21	17	14	14	17
2100-2200	17	14	20	19	20	23	24	24	18	15	13	12	12	13	11	12	12	11	11	14
2200-2300	12	11	10	10	12	11	9	10	11	9	9	10	10	10	9	10	9	14	11	12
2300-2400	12	11	11	18	10	9	8	10	10	11	11	8	11	11	12	9	10	10	13	12
2400-2500	11	12	10	10	11	12	14	14	12	12	13	13	14	14	14	16	16	17	15	21
2500-2600	18	20	20	20	7	10	8	10	8	8	9	11	8	8	8	7	7	7	8	12
2600-2700	9	9	12	12	11	10	14	10	18	14	11	12	11	22	17	24	22	20	13	14
2700-2800	20	35	10	11	15	15	18	20	21	21	22	22	22	24	27	25	28	27	30	30
2800-2900	25	20	17	16	16	19	15	24	30	32	35	32	29	24	25	13	10	12	13	10
2900-3000	13	15	11	11	11	14	13	12	16	16	17	25	44	45	59					