

WEL

PETROLEUM DRAINHOLES DRILLING CORPORATION

1404, CITY NATIONAL BANK BLDG.

HOUSTON 2, TEXAS

July 15, 1955

Mr. W. B. Marcey
Secretary & Director
New Mexico Oil Conservation Commission
125 Mabry Hall
Capitol Building
Santa Fe, New Mexico

Dear Sir:

Petroleum Drainholes Drilling Corporation, a recently formed concern, contemplates servicing a well located in New Mexico.

Prior to undertaking this work, we deem it advisable to consult your office to ascertain your attitude in connection with our service, this service being the drilling of multiple, radial drainage holes to improve and increase ultimate recovery from producing horizons.

In order to facilitate prompt action, we will have our representative in Santa Fe this coming week. At that time he will take the liberty of contacting you for an appointment to discuss the details of our service and secure your recommendations concerning same.

Very truly yours,

PETROLEUM DRAINHOLES DRILLING CORP.

By: *William E. Leece*
William E. Leece
Vice President

WEL/hb

SUBSURFACE SURVEY



HOUSTON, TEXAS

P. O. Box 2589

Phone WO. 1731

OIL INDUSTRY'S MOST *Complete* SERVICE

OIL CONSERVATION COMMISSION
STATE OF TEXAS
RECEIVED
DEC 26 1954

COMPANY ALLIANCE CONSULTING CO. WELLFAC #2 LOCATION DENVER FIELD, NEW MEXICO

SUBSURFACE SURVEY

DATE 13 DECEMBER 1951

COMPANY ATLANTIC REFINING COMPANY

WELL ATLANTIC ST. ^{"T"} ~~ST.~~ #2

FIELD DENTON FIELD

LOCATION

COUNTY

STATE NEW MEXICO

MAGNETIC DECLINATION 12° EAST



State of Texas
County of Harris

I, Robert G. Chadderdon an employee of the
HOUSTON OIL FIELD MATERIAL COMPANY, INC., acting as an
Observer, have this the 13th day of December, 1951 ,
conducted or supervised the taking of a Subsurface
Directional Survey, the nature of which is as follows:

Directional Survey from 10,580' to 12,726'

This survey was conducted at the request of the
Atlantic Refining Company
for their Atlantic St. ~~Street~~ "T" Well No. 2 ,
in the Survey
of the Denton Field
of County, Lovington, New Mexico

Signed: *Robert G. Chadderdon*

Before me the undersigned authority, on this day personally
appeared Robert G. Chadderdon known to me to be
the person whose name is subscribed to this instrument,
who after being by me duly sworn on oath, states that
he has the knowledge of all facts stated above and that
the same is a true and correct statement of the facts
therein recited.

Subscribed and sworn to before this the 18th day of
December, 1951

Dorothy Singleton
Notary Public in and for ^{DOROTHY SINGLETON}
HARRIS County, Texas

HOUSTON OIL FIELD MATERIAL COMPANY, INC.

SUBSURFACE SURVEY

COMPANY: ATLANTIC REFINING COMPANY
 WELL NO.: ATLANTIC ST. ~~7-100~~ #2

LOCATION: DENTON FIELD, NEW MEXICO

DATE: 13 DECEMBER 1951
 PAGE: 1 OF 2

DISC NO.	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
1	10,580		-			Vert.	-			
4	10,600	20	-			Vert.	-			
8	10,650	50	-			Vert.	-			
11	10,700	50	15		.22	N 14 E	.21		.05	
15	10,750	50	15	10,750.00	.22	N 14 E	.42		.10	
18	10,800	50	30		.44	N 15 E	.85		.21	
26	10,850	50	45		.65	N 20 E	1.46		.43	
31	10,900	50	1 00		.87	N 11 E	2.31		.60	
34	10,950	50	45		.65	N 14 E	2.94		.76	
38	11,000	50	45	10,999.99	.65	N 17 E	3.56		.95	
42	11,050	50	1 00		.87	N 20 E	4.38		1.25	
45	11,100	50	45		.65	N 25 E	4.97		1.53	
49	11,150	50	1 00		.87	N 33 E	5.70		2.00	
53	11,200	50	1 00		.87	N 29 E	6.46		2.42	
61	11,250	50	1 15	11,249.95	1.09	N 29 E	7.41		2.95	
65	11,300	50	1 30		1.31	N 32 E	8.52		3.64	
69	11,350	50	1 45		1.53	N 27 E	9.88		4.34	
72	11,400	50	1 45		1.53	N 29 E	11.22		5.08	
77	11,450	50	1 45		1.53	N 28 E	12.57		5.80	
82	11,500	50	1 45	11,499.85	1.53	N 32 E	13.87		6.61	
89	11,550	50	1 45		1.53	N 34 E	15.14		7.47	
92	11,600	50	2 00		1.74	N 35 E	16.57		8.47	
95	11,650	50	2 00		1.74	N 34 E	18.01		9.44	
99	11,700	50	2 00		1.74	N 36 E	19.42		10.46	
102	11,750	50	2 00	11,749.71	1.74	N 41 E	20.73		11.60	

HOUSTON OIL FIELD MATERIAL COMPANY, INC.

SUBSURFACE SURVEY

COMPANY: ATLANTIC REFINING COMPANY

DATE: 13 DECEMBER 1951

WELL NO.: ATLANTIC ST. TRACT #2

LOCATION: DENTON FIELD, NEW MEXICO

PAGE: 2 OF 2

DISC NO.	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
107	11,800	50	2 15		1.96	N 42 E	22.19		12.91	
111	11,850	50	2 15		1.96	N 42 E	23.65		14.22	
119	11,900	50	2 15		1.96	N 49 E	24.94		15.70	
122	11,950	50	2 45		2.40	N 51 E	26.45		17.57	
127	12,000	50	3 15	11,999.45	2.83	N 58 E	27.95		19.97	
131	12,050	50	3 45		3.27	N 62 E	29.49		22.86	
135	12,100	50	4 00		3.49	N 65 E	30.97		26.02	
139	12,150	50	4 30		3.92	N 70 E	32.31		29.70	
142	12,200	50	5 00		4.36	N 72 E	33.66		33.85	
145	12,250	50	5 15	12,248.67	4.58	N 74 E	34.92		38.25	
149	12,300	50	5 30		4.79	N 74 E	36.24		42.85	
161	12,350	50	5 45		5.01	N 75 E	37.54		47.69	
165	12,400	50	6 00		5.23	N 76 E	38.81		52.77	
168	12,450	50	6 45		5.88	N 79 E	39.93		58.54	
172	12,500	50	7 45	12,497.11	6.74	N 83 E	40.75		65.23	
176	12,550	50	8 15		7.17	N 82 E	41.74		72.33	
180	12,600	50	8 45		7.61	N 80 E	43.07		79.82	
184	12,650	50	9 00		7.82	N 80 E	44.43		87.52	
190	12,726	76	9 00	12,720.45	11.89	N 80 E	46.49		99.23	
CLOSURE: N 64° 54' E DRIFT: 109.58 Ft.										
HOMCO OBSERVER: Bob Chadderton							line from HOMCO "Back-off" truck and using HOMCO "Go-Devil"			
Subsurface Directional Surveying Instrument										



**SURVEY
REPORT**

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
MAR 2 1954

EASTMAN OIL WELL SURVEY COMPANY
DENVER • LONG BEACH • HOUSTON
Longview • Odessa • Oklahoma City • Lafayette • Casper • Bakersfield • Ventura • Calgary

THIS IS A RECORD OF A SUB-SURFACE SURVEY OF YOUR WELL

It includes:

1. A title page giving the name of company, name and number of well, and the well location.
2. A horizontal plan (as well would appear, if viewed from above), showing each point on the survey in relation to the surface location. The bearing and distance from surface to bottom of the well is given.
3. A number of record of survey sheets, giving the true vertical depth, angle and direction of drift, and rectangular coordinates of each point on the survey. From these, geological correlations, sub-surface lease maps, etc., may be made. This information is especially valuable when straightening or redrilling work is contemplated.
4. If requested, vertical sections will be made showing the course of the well in two planes. The well will appear as if it were viewed from the side.

NOTE

This is a strictly confidential report, and can be secured by no one except with a written order from you. The photographic film on which this survey was made has been destroyed. We have an office copy of the survey. These records are kept locked and are held in the strictest confidence. Should you desire, you may have the office record also. The only reason we deem it advisable to preserve the office copy is for your convenience in case of loss of this report. All records of the survey are your property.

This report is made on tracing cloth and paper with India ink, in order that copies can be rapidly and cheaply made. This booklet can be forwarded to any blueprint company, where copies will be made for a nominal sum. Each sheet of this survey bears a job number, but only the title sheet carries the name. To insure secrecy the title page may be sent to one company and the balance to another.

SUGGESTIONS

If desired, the depths may be stated as true elevations from sea level, instead of depths below the derrick floor. If this is requested, please submit the elevation of the derrick floor, when ordering the survey.

In requesting vertical sections, the operator will find it much to his advantage to have them made with some respect to the formation. He should ascertain from his geologist on which particular plane the vertical section should be projected.

Should the operator care to have his lease lines or nearby property lines shown on the plan, he should submit the necessary data when ordering the survey.

When surveying a number of wells on one lease, it is always desirable to correlate the surveys in the form of a sub-surface lease map. Submit your survey records and surface lease dimensions, and we will be glad to make you such a map.

**REPORT
and
PLAN
of
SUB-SURFACE
ORIENTED
SURVEY
ARGO OIL CO.
TOMLINSON NO. 1
LEA COUNTY, N. M.**

JOB NO. WT 25254

DATE 10 Feb, 1954

EASTMAN OIL WELL SURVEY COMPANY

DENVER, COLORADO

LONG BEACH, CALIFORNIA

HOUSTON, TEXAS

SURVEY BY CLARK

OFFICE ODESSA



RECORD OF SURVEY

JOB NO. WT 25254

DATE 2-10-54

The field data for this survey from readings thru 1251533 was obtained by K.C. Clark field engineer for Eastman Oil Survey Co., and is supported by signed field records. The computation and drafting of this report was done under my supervision and is true and correct to the best of my knowledge.

W.C. Clark

MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS
					NORTH	SOUTH	EAST	WEST	
481	0° 40'	481	5 59	N 70° E	1	91	5	25	
936	0° 10'	936	1 32	WEST	1	91	3	93	
1391	0° 20'	1390	2 14	N 20° E	4	39	4	83	
1852	0° 30'	1852	4 01	N 18° W	8	20	3	59	
2317	1° 00'	2317	8 14	E 09° E	16	16	4	86	
2772	05'	2722	8 61	S 27° E		7	8	77	
3230	1° 40'	3229	13 30	S 53° E		15	19	39	
3686	0° 01'	3686	15 94	EAST		15	51	35	
4140	2° 00'	4139	15 83	S 65° E		22	20	49	
4599	1° 20'	4598	10 69	S 05° E		32	85	50	
5002	2° 00'	5000	14 06	S 45° E		42	79	60	
5432	2° 10'	5430	16 27	S 53° E		52	58	73	
5862	2° 15'	5860	16 89	S 79° E		55	80	90	
6298	2° 10'	6295	16 47	EAST		55	80	106	
6730	2° 10'	6727	16 33	N 85° E		54	38	122	
7163	1° 05'	7160	8 19	S 46° E		60	07	128	
7596	1° 15'	7593	9 44	S 32° E		67	90	134	
8027	1° 50'	8024	13 78	S 45° E		77	65	143	
8458	1° 35'	8455	11 90	S 68° E		82	11	154	
8892	1° 45'	8888	13 23	S 84° E		83	49	167	
9325	1° 50'	9321	13 86	S 71° E		88	00	181	
9669	2° 00'	9665	12 02	S 68° E		92	50	192	
10098	2° 10'	10094	16 22	S 61° E		100	36	206	
10184	2° 15'	10179	3 35	S 61° E		101	98	209	
10270	2° 10'	10265	3 26	S 59° E		103	66	212	



RECORD OF SURVEY

The field data for this survey from readings *Surface* thru *12986.22* was obtained by *W.C. Clark* field engineer for Eastman Oil Survey Co., and is supported by signed field records. The computation and drafting of this report was done under my supervision and is true and correct to the best of my knowledge.

JOB NO. WT 25254

DATE 2-10-54

W.C. Clark
EASTMAN OFFICE ENGINEER

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION	RECTANGULAR COORDINATES				REMARKS
						NORTH	SOUTH	EAST	WEST	
26	10357	2° 10'	10352	3 28	S 63° E	105	15	215	91	
27	10444	2° 15'	10439	3 41	S 51° E	107	30	218	56	
28	10530	2° 15'	10525	3 38	S 56° E	109	19	221	36	
29	10616	2° 10'	10611	3 25	S 64° E	110	61	224	28	
30	10703	2° 30'	10697	3 80	S 69° E	111	97	227	83	
31	10789	2° 20'	10782	3 49	S 75° E	112	87	231	20	
32	10876	2° 30'	10870	3 82	S 83° E	113	34	234	99	
33	10963	2° 45'	10956	3 44	S 88° E	113	48	239	13	
34	11050	3° 20'	11043	5 07	S 84° E	112	95	244	17	
35	11136	4° 35'	11129	6 90	S 74° E	111	05	250	80	
36	11222	4° 20'	11214	6 45	N 71° E	108	95	256	90	
37	11307	4° 40'	11300	6 98	N 62° E	105	67	263	06	
38	11395	5° 00'	11387	7 64	N 62° E	102	08	269	81	
39	11480	4° 50'	11472	7 19	N 64° E	98	93	276	27	
40	11566	4° 50'	11557	7 22	N 62° E	95	54	282	64	
41	11653	4° 50'	11645	7 36	N 50° E	90	81	288	28	
42	11739	5° 00'	11730	7 51	N 54° E	86	40	294	36	
43	11824	4° 55'	11815	7 29	N 66° E	83	44	301	02	
44	11910	4° 00'	11901	5 98	N 69° E	81	30	306	60	
45	11997	4° 00'	11987	6 03	N 54° E	77	76	311	48	
46	12082	3° 40'	12072	5 49	N 53° E	74	46	315	86	
47	12169	4° 30'	12159	6 79	N 62° E	71	27	321	85	
48	12225	6° 15'	12244	9 37	N 64° E	67	16	330	27	
49	12342	7° 55'	12330	11 98	N 59° E	60	99	340	54	
50	12427	8° 25'	12415	12 53	N 61° E	54	92	351	50	



RECORD OF SURVEY

JOB NO. WT 25254

DATE 2-10-54

The field data for this survey from readings 12 856.25 thru _____ was obtained by W.C. Clark field engineer for Eastman Oil Survey Co., and is supported by signed field records. The computation and drafting of this report was done under my supervision and is true and correct to the best of my knowledge.

W.C. Clark
EASTMAN OIL SURVEY CO. ENGINEER

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIPT DIRECTION	RECTANGULAR COORDINATES				REMARKS	
						NORTH	SOUTH	EAST	WEST		
51	12512	70	12498	11 60	N 72° E		51	34	362	53	
52	12597	70	12584	10 58	N 70° E		47	72	372	47	
53	12683	60	12669	9 37	N 65° E		43	76	380	96	
54	12770	70	12755	10 50	N 54° E		37	59	389	45	
55	12856	70	12840	11 49	N 63° E		32	37	399	69	
			CLOSURE	400.73'	S 85° 18' E						



EASTMAN OIL WELL SURVEY COMPANY

OIL WELL SURVEYING • DIRECTIONAL DRILLING • ELECTRONIC SURVEYS

109 W. 9TH ST. • PHONE 6-3973
BOX 1324
ODESSA, TEXAS

STATE OF TEXAS
COUNTY OF ECTOR

V.C. CLARK, being duly sworn, deposes and says that: He is employed by the Eastman Oil Well Survey Company as an engineer in charge of well bore surveying.

And, that under his direction an oriented survey was made on February 10, 1954, by V.C. Clark, engineer, Eastman Oil Well Survey Company in a well from surface to 12,856.23'

Said well more particularly described by the operator as follows:
ARGO OIL COMPANY
W. R. TOMLINSON NO. 1
LEA COUNTY, NEW MEXICO.

That the attached documents, namely, title sheet, one plan, three computation sheets, showing at depth of 12,856.23', the well to be 400.73 feet in a direction of South 85° 18' East from the center of the rotary table are a full, tru, and correct representation of the said survey to the best of his knowledge.


V.C. Clark

SUBSCRIBED AND SWORN TO BEFORE ME THIS 17th DAY OF Feb. 19 54

NOTARY OF STATE OF TEXAS
COUNTY OF ECTOR
My term expires June 1, 1955


Palma Clampitt