

Other

EASTMAN
Products

INSTRUMENTATION

- Drift Indicator
- Type R. Single Shot
- Drop Multi Shot
- Star Recorder
- Corex Orientation
- High Temperature Heat Shield

- Single Shot Method For Orienting Cores In Mining Bore Holes

DIRECTIONAL DRILLING

- Turbodrill
- Circulating Whipstock
- Hole Openers
- Non-Magnetic Drill Collars
- Stabilizers
- Universal Joint Service
- Orienting Whipstock in Mining Bore Holes.

PRODUCTION EQUIPMENT

- Casing Roller

EASTMAN
OIL WELL SURVEY COMPANY
SUBSIDIARY OF ARTNELL COMPANY

P. O. Box 14609 Houston, Texas 77021 Area Code 713 Riverside 8-2350
FOR EXPORT: P. O. Box 14609, Houston, Texas 77021, U.S.A. Cable Address "Eastco" Houston, Texas

Contact your nearest

EASTMAN representative

- ABILENE, Texas 79605**
P.O. Box 1035
Area Code 915 - 673-1847

BAKERSFIELD, Calif. 93302
P.O. Box 58
Area Code 805 - 327-8681

BILLINGS, Montana 59101
P.O. Box 278
Area Code 406 - 252-4572

BROOKHAVEN, Miss. 39601
P.O. Box 43
Area Code 601 - 833-7831

CASPER, Wyoming 82601
P.O. Box 1284
Area Code 307 - 237-9880

CORPUS CHRISTI, Tex. 78408
P. O. Box 4269
Area Code 512 - 882-7812

DENVER, Colorado 80202
208 Patterson Building
17th & Welton
Area Code 303 - 623-7151

FARMINGTON, N.M. 87401
P.O. Box 1004
Area Code 505 - 325-5991

GAINESVILLE, Texas
Highway 82 West
Area Code 817 - 465-4264

GREAT BEND, Kansas 67530
Area Code 316 - 793-8261

HARVEY, Louisiana 70058
P.O. Box 645
Area Code 504 - 347-4419

ANCHORAGE, Alaska
P.O. Box 41970
Area Code 907 - 272-1032

GREAT YARMOUTH, England
Eastman Oil Well Survey Co.
Great Yarmouth Marine Base
South Denes Road
Phone: Great Yarmouth
2839 or 55451

CALGARY, Alberta, Canada
Eastman Oil Well Survey Co. Ltd.
914 - 7th Avenue, S. W.
Box 790
Area Code 403 - 263-4160

SALE, VICTORIA, Australia 3850
Eastman Directional Drilling (Aust.) Pty. Ltd.
200A Raymond Street
P. O. Box 256
Phone 2334
- HOBBS, New Mexico 88240**
P.O. Box 2366
Area Code 505 - 393-2811

HOUMA, Louisiana 70361
P.O. Box 288
Area Code 504 - 873-7728

HOUSTON, Texas 77021
P.O. Box 14609
Area Code 713 - 748-2350

LAFAYETTE, Louisiana 70501
P.O. Box 51106
Area Code 318 - 235-8501

LONG BEACH, Calif. 90801
P.O. Box 408
Area Code 213 - 437-7451

MORGAN CITY, Louisiana 70308
P. O. Box 1076
Area Code 504 - 459-4489

ODESSA, Texas 79760
P. O. Box 1112
Area Code 915 - 337-3515

OKLAHOMA CITY, Okla. 73192
P.O. Box 94938
Area Code 405 - 634-4413

TYLER, Texas 75705
P.O. Box 3533
Area Code 214 - 594-6781

VENTURA, Calif. 93002
P.O. Box 1228
Area Code 805 - 643-2553

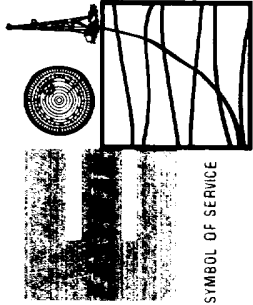
WICHITA FALLS, Texas 76310
P.O. Box 1124
Area Code 817 - 692-4631

SOLDOTNA, Alaska
P.O. Box 364
Area Code 907 - 262-4681

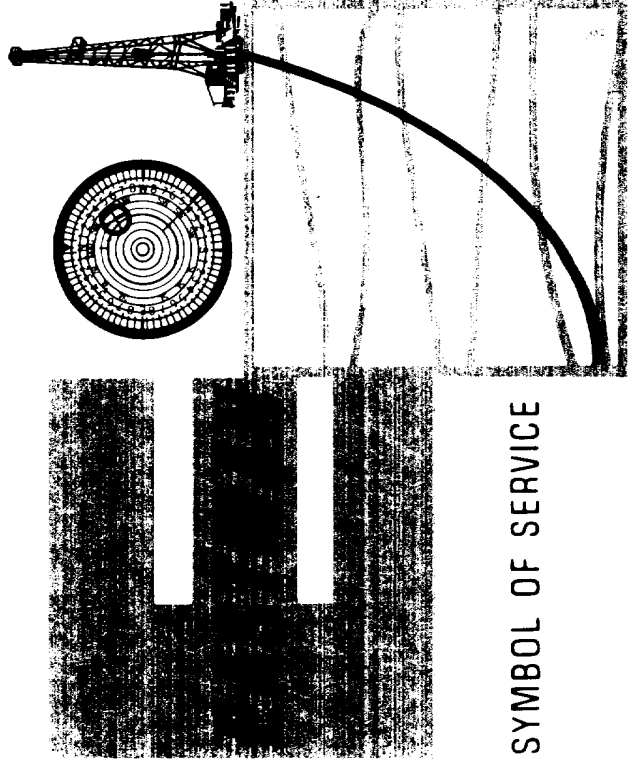
PORT HARCOURT, Nigeria
Eastman Oil Well Survey Co.,
Nigeria Branch
P. O. Box 387
Phone: 21740

EDMONTON, Alberta, Canada
Eastman Oil Well Survey Co. Ltd.
9705 - 56 Avenue
Area Code 403 - 433-4241

HANOVER, Germany
Eastman International Co.
G.M.B.H.
Carl Zeiss Strasse 16
3005 Hanover - Westerfield



SYMBOL OF SERVICE



SYMBOL OF SERVICE

SURVEY REPORT

EASTMAN OIL WELL SURVEY COMPANY

SURVEY OF YOUR WELL

and are held in strictest confidence. Additional copies of your survey report can be made from the original by any blueprint company.

THE STATE OF TEXAS

COUNTY OF ECTOR

Robert Burk & Bob Dockrey, being duly sworn depose and say that:

They are employed by the EASTMAN OIL WELL SURVEY COMPANY as well bore surveyors in charge of the following described survey.

And that a Magnetic Multiple Shot Survey was made from 364 feet to 2577 feet, and a Single Shot Survey was made from 2577 feet to 4283 feet measured depth.

Said well more particularly described by operator as follows:

PAN AMERICAN PETROLEUM CORPORATION
BYERS " A " NUMBER 30
LEA COUNTY, NEW MEXICO

That the attached documents, namely title sheet, two computation sheets, and one plan showing the True Vertical Depth of 4229.15 feet, the well to be 402.3 feet in a direction of North 39 degrees 46 minutes West.

This is a full, true, and correct representation of the said survey to the best of their knowledge.

Subscribed to and sworn to before me this
27th days of July, 1970

Robert Burk
Robert Burk

Bob Dockrey
Bob Dockrey

Dorothy Conklin

Dorothy Conklin, Notary Public in and for the
County of Ector, State of Texas

10/10/2019

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"Symbol of Service"

REPORT of SUB-SURFACE DIRECTIONAL SURVEY

Pan American Petroleum Corporation
COMPANY

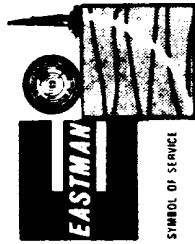
Byers " A " Number 30
WELL NAME

Lea County, New Mexico
LOCATION

JOB NUMBER	TYPE OF SURVEY	DATE
WT 73370 & WT 73470	Magnetic Multiple Shot & Single Shot	July 27, 1970

SURVEY BY
Robert Burk & Bob Dockrey

OFFICE
Odessa, Texas



RECORD OF SURVEY

JOB NO. WT 73370 DATE July 27, 1970 CHECKED BY _____

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
1	364	1°			1 07	S 35 E			61	
2	475	1°15'			2 42	S 34 E			1 96	
3	594	1°15'			2 59	S 06 E			2 23	
4	710	1°15'			2 53	S 17 E			2 97	
5	835	1°15'	834	90	2 72	S 23 E			4 03	
6	960	1°			2 19	S 27 E			5 02	
7	1085	45'			1 64	S 30 E			5 84	
8	1210	30'			1 09	S 21 E			6 23	
9	1335	15'			55	S 69 E			6 74	
10	1460	30'	1459	86	1 09	N 21 W			6 35	
11	1582	30'			1 06	N 08 W			6 20	
12	1710	1°			2 24	N 19 W			5 47	
13	1835	1°			2 19	N 58 W			3 61	
14	1960	45'			1 64	S 79 W			2 03	
15	2084	45'	2083	78	1 62	N 70 W			51	15
16	2207	1°			2 15	N 18 W				87
17	2331	1°45'			3 78	N 11 W				
18	2453	1°			2 13	S 78 E			1 00	42
19	2577	45'	2576	65	1 62	S 61 W				



RECORD OF SURVEY

JOB NO. WT 73470 DATE July 27, 1970 CHECKED BY

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
19	2577		2576	Results of Magnetic	Multiple	Shot	Survey	43		42
20	2655	4°45'			6 46	N 33 W	5	46		3 94
21	2706	7°45'			6 88	N 43 W	16	31		8 63
22	2799	10°15'			16 54	N 49 W	29	27		21 11
23	2893	13°15'			21 54	N 53 W	44	53		38 31
24	2991	15°			25 36	N 53 W	58	41		58 56
25	3071	16°	3059		22 05	N 51 W	72	80		75 70
26	3154	16°			22 87	N 51 W	88	85		93 47
27	3248	15°45'			25 51	N 51 W	105	04		113 29
28	3348	15°15'			26 30	N 52 W	118	74		134 01
29	3440	14°30'			23 04	N 46 W	129	14		150 58
30	3492	14°30'	3465		13 02	N 37 W	149	74		158 41
31	3585	15°30'			24 85	N 34 W	167	16		172 31
32	3673	13°30'			20 54	N 32 W	180	51		183 19
33	3748	11°45'			15 27	N 29 W	204	35		190 59
34	3868	13°			27 00	N 28 W	214	97		203 27
35	3920	13°15'	3882		11 92	N 27 W	242	89		208 68
36	4040	15°			31 06	N 26 W	267	90		222 30
37	4138	16°30'			27 83	N 26 W	309	18		234 50
38	4283	19°	4229		47 21	N 29 W				257 38
Closure					402.3'	North 39° 46' West				

PAN AMERICAN PETROLEUM CORP.
BYERS "A" WELL NO.30
LEA CO. NEW MEXICO

