

TELEDIFT

P.O.Box 94395 * Oklahoma City, OK 73143-4395 Ph : 405-631-4882

ISSUING AGENCY	CERTIFICATION NUMBER
Teledrift Co.	N/A

HOBBS OCD

OCT 19 2015

RECEIVED

State of New Mexico,

I, Tilden Dial, state that the fact set forth in this report are true and correct to the best of my knowledge and belief. This survey was conducted at the request of Murchison, for the Jackson unit 030H well in Lea. I have reviewed this report and find that it conforms to the principles and procedures as set forth by TELEDIFT.

NAME: Tilden Dial	TITLE: Region Manager Permian Basin
SIGNATURE: 	

NAME:	TITLE:
SIGNATURE:	

NAME:	TITLE:
SIGNATURE:	

DEC 14 2015

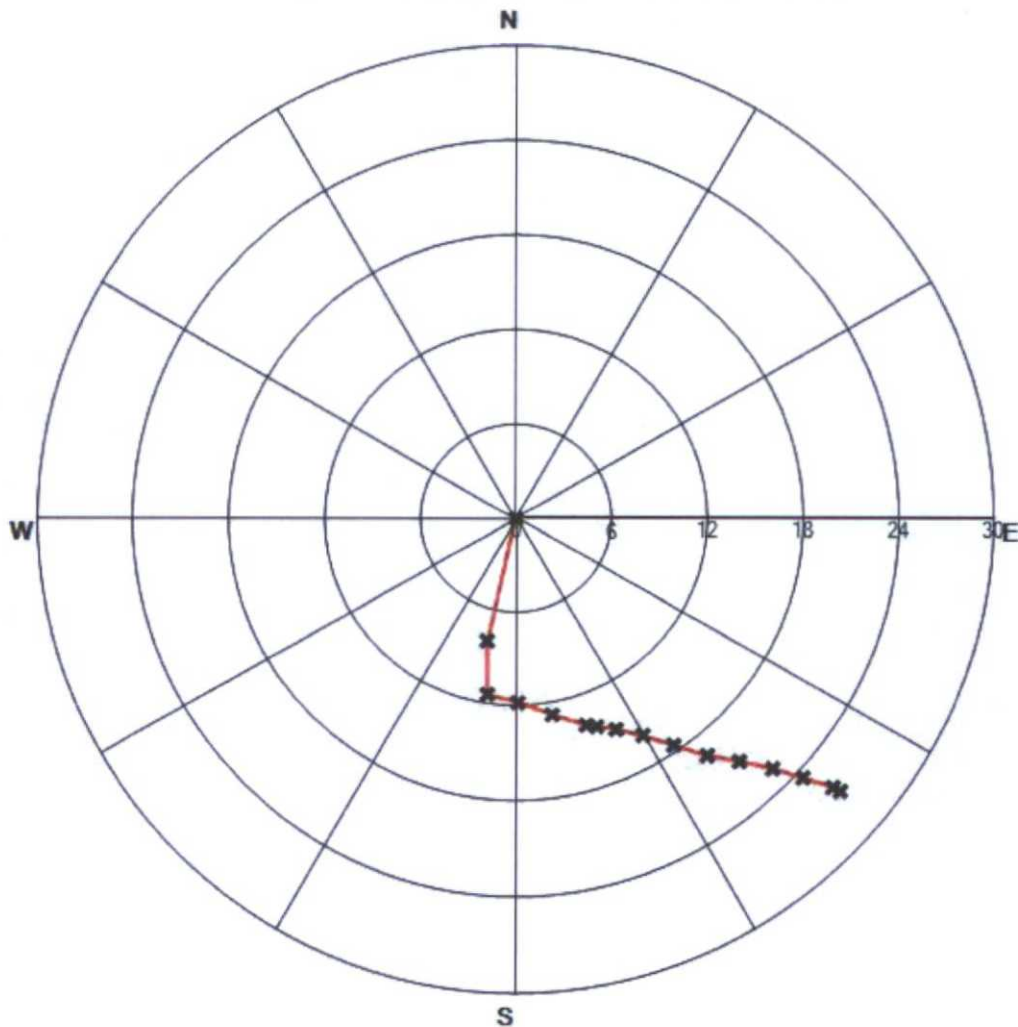




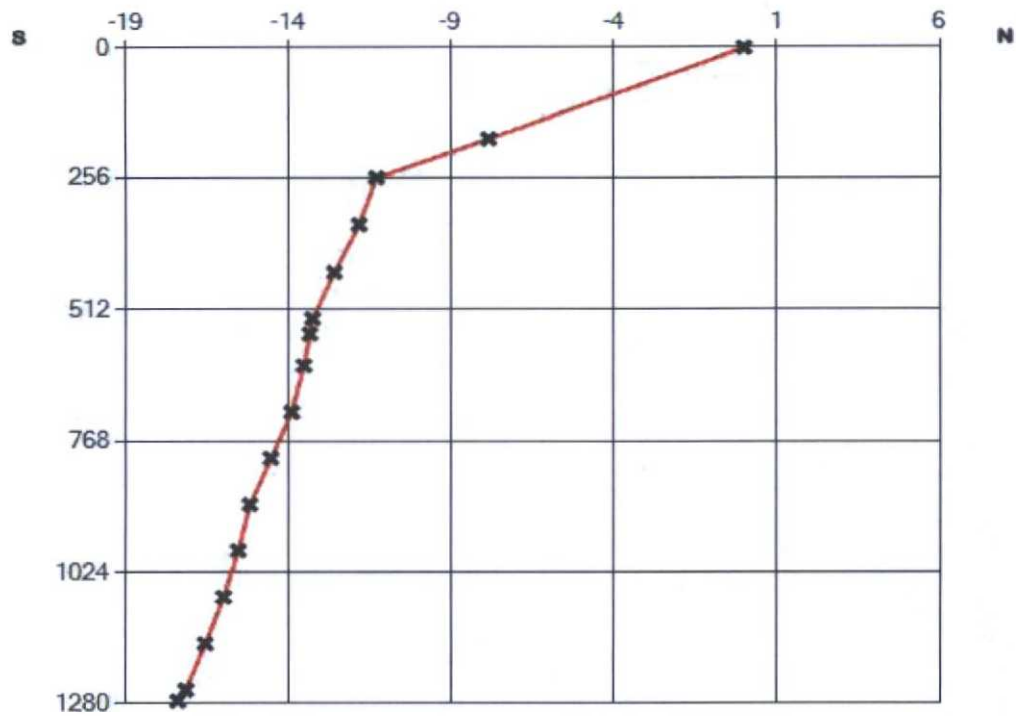
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Survey FileName : 136Cactus-16AUG15.psd
Tool Type : PROSHOT-X
Job ID : 136Cactus
Well Name : Jackson unit 030H
Company : Murchison
Contractor : Cactus 136
API Number : 30-025-42652
Location : Lea
Start Date : 16 AUG 15
North Correction : 6.84

TVD CROSS SECTION LOOKING DOWN



TVD CROSS SECTION LOOKING WEST



TVD CROSS SECTION LOOKING NORTH



RECORD OF TVD SURVEY
Calculated by Minimum Curvature Method

MEAS. DEPTH	TOOL OFFSET	SURVEY DEPTH	DRIFT ANGLE	AZIMUTH	T.V.D.	N-S Drift	E-W Drift
0	0	0	0	359.67	0	0	0
181	45	136	5.1	192.84	180.76	-7.85	-1.79
256	45	211	1.2	104.84	255.65	-11.3	-1.77
347.5	45	302.5	1.3	105.84	347.13	-11.83	0.15
440.67	45	395.67	1.5	112.84	440.27	-12.59	2.29
530.65	45	485.65	1.4	100.84	530.22	-13.25	4.45
560.7	45	515.7	1.1	94.84	560.26	-13.34	5.1
621.62	45	576.62	1.2	101.84	621.17	-13.52	6.31
712.11	45	667.11	1	103.84	711.64	-13.9	8
802	45	757	1.6	110.84	801.51	-14.53	9.93
892	45	847	1.2	101.84	891.48	-15.17	12.03
982	45	937	1.4	98.84	981.46	-15.53	14.04
1073	45	1028	1.3	105.84	1072.43	-15.98	16.13
1164	45	1119	1.2	106.84	1163.41	-16.54	18.04
1254	45	1209	1.3	108.84	1253.39	-17.14	19.91
1275	45	1230	1.6	122.84	1274.38	-17.38	20.38

Notes :

Depth is in feet

All azimuths are referenced to GRID NORTH and corrected with the north correction above