

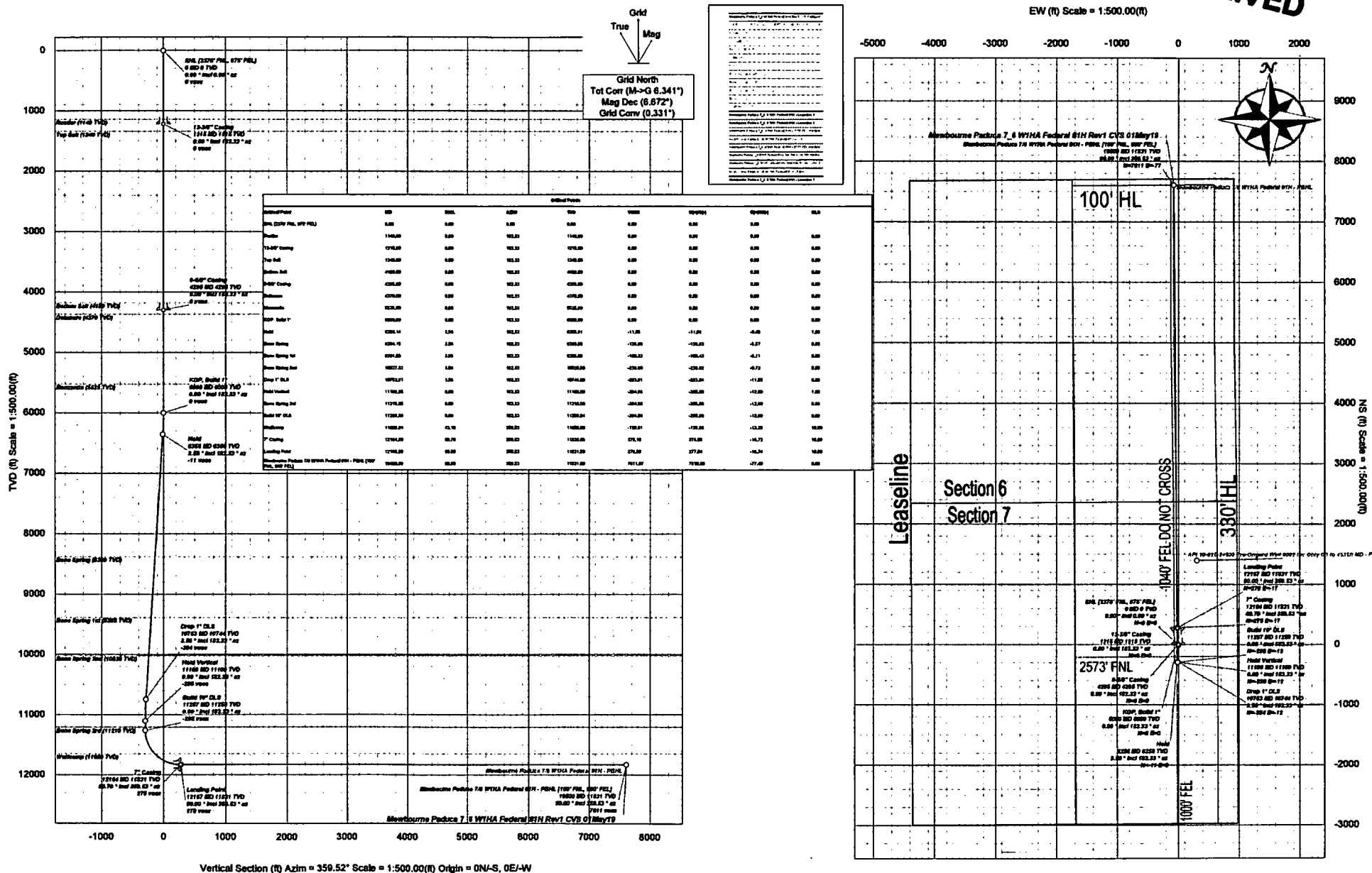


HOBBS **OCD**

FEB 07 2020

RECEIVED

Borehole:		Well:		Field:		Structure:	
Paduca 7_6 W1HA Federal #1H		Paduca 7_6 W1HA Federal #1H		NM Lee County (NAD 83)		Newbourn Oil Paduca 7_6 W1HA Federal #1H	
Geology & Magnetics Parameters				Surface Location		Measurements	
Method:	HDGM 3D19	Dip:	58.63°	Date:	01-May-2019	Station:	New Stn
MagDec:	6.67°	FB:	47743.3m	Gravity FB:	598.42mgals (3.00000 Gauss)	TVD Ref:	R1C3(12728 above BBL)
				USGS New Mexico State Plane, Contour Zone, US Feet			
		Lat:	N 32 3 30.18	Northings:	2852480.5	Grid Contour:	0.314'
		Lon:	W 103 42 32.30	Eastings:	794763.8218	Scale Fact:	0.00000104
						Plan: Newbourn Paduca 7_6 W1HA Federal #1H Rev1 CWS 01May19	



[illegible]

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLB (ft/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Eastng (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	18776.00	90.21	357.68	11840.82	6927.17	6926.90	-61.45	1.10	6927.17	359.48	392460.55	734701.05	N 32 4 38.70	W 103 42 32.53
	18870.00	90.17	0.11	11840.51	7021.16	7020.88	-63.27	2.59	7021.16	359.48	392554.52	734699.24	N 32 4 39.63	W 103 42 32.55
	18965.00	90.68	1.08	11839.65	7116.13	7115.88	-62.28	1.25	7116.14	359.50	392648.51	734700.22	N 32 4 40.57	W 103 42 32.53
	19059.00	90.14	0.94	11838.83	7210.09	7209.85	-60.62	0.78	7210.10	359.52	392743.49	734701.88	N 32 4 41.50	W 103 42 32.50
	19153.00	90.24	358.56	11838.52	7304.08	7303.84	-61.03	2.53	7304.08	359.52	392837.47	734701.47	N 32 4 42.43	W 103 42 32.50
	19247.00	90.27	0.36	11838.10	7398.08	7397.83	-61.92	1.92	7398.09	359.52	392931.46	734700.59	N 32 4 43.36	W 103 42 32.50
	19341.00	89.86	358.55	11837.89	7482.07	7481.82	-62.81	1.97	7482.08	359.52	393025.45	734699.69	N 32 4 44.29	W 103 42 32.51
Last Survey	19407.00	90.10	0.63	11838.02	7558.07	7557.82	-63.28	3.17	7558.08	359.52	393091.44	734699.22	N 32 4 44.94	W 103 42 32.51
Proj to Bit	19455.00	90.10	0.63	11837.93	7606.06	7605.81	-62.76	0.00	7606.07	359.53	393139.43	734699.75	N 32 4 45.41	W 103 42 32.50

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7855 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/88.425	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	Paduca 7_6 W1HA Federal #1H / Mewbourne Paduca 7_6 W1HA Federal #1H MWD 0ft to 19455ft
	1	28.000	28.000	Act Strs	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	Paduca 7_6 W1HA Federal #1H / Mewbourne Paduca 7_6 W1HA Federal #1H MWD 0ft to 19455ft
	1	28.000	1272.000	Act Strs	17.500	13.375	NAL_MWD-NON_SLB	Paduca 7_6 W1HA Federal #1H / Mewbourne Paduca 7_6 W1HA Federal #1H MWD 0ft to 19455ft
	1	1272.000	4305.000	Act Strs	12.250	9.625	NAL_MWD_1.0_DEG	Paduca 7_6 W1HA Federal #1H / Mewbourne Paduca 7_6 W1HA Federal #1H MWD 0ft to 19455ft
	1	4305.000	12025.000	Act Strs	8.750	7.000	NAL_MWD_1.0_DEG	Paduca 7_6 W1HA Federal #1H / Mewbourne Paduca 7_6 W1HA Federal #1H MWD 0ft to 19455ft
	1	12025.000	19455.000	Act Strs	6.125	6.125	NAL_MWD_1.0_DEG	Paduca 7_6 W1HA Federal #1H / Mewbourne Paduca 7_6 W1HA Federal #1H MWD 0ft to 19455ft

...Paduca 7_6 W1HA Federal #1H Mewbourne Paduca 7_6 W1HA Federal #1H MWD 0ft to 19455ft MD

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

June 17, 2019

Mewbourne Oil Company
500 W Texas Ave Ste 1020
Midland, Texas 79701

Re:

S6, T26S, R32E Lea
N 32.0583749' N 103.7089672'

CLIENT: Mewbourne Oil Company
WELL: Paduca 7/6 WIHA Federal 1H
FIELD: Wolfcamp

RIG: Patterson 230
COUNTY: Lea
API NO: 30-025-45841
JOB NO: 19MLE0196

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Mohamed Gaber FE	Paduca 7/6 WIHA Federal 1H Original Hole	1319.00 Ft to 19407.00 Ft	May 17, 2019 to June 12, 2019	TelePacer/SlimPulse 3rd Party Corrected

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Justin Medlock
Field Service Manager

Schlumberger-Private

Oilfield Services, Central U S. Land
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Schlumberger

Well Reference:
S6, T26S, R32E Lea
N 32.0583749' N 103.7089672'

I, Mohamed Gaber certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of May 17, 2019 through June 12, 2019, conduct or supervise the taking of the TelePacer/SlimPulse & 3rd Party Corrected surveys from a depth of 1319.00 feet to a depth of 19407.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company for the Paduca 7/6 WIHA Federal 1H Well (Original Hole) API No. 30-025-45841 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

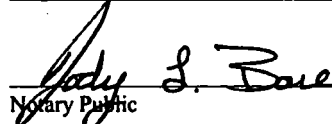
By
Mohamed Gaber
FE



Subscribed and Sworn to before me this 10 day of 18 (month) 2019 (yr)

My Commission expires:

05-22-2023


Notary Public

(signature)

Grady, OK
(County State)

JODY LEON BARE
Notary Public, State of Oklahoma
Commission # 19005260
My Commission Expires 05-22-2023