

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

30-015-44273

Well Reference:
18, 24S, 31E, NM
32.22588 -103.80922

I, Kalu Uga certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 07, 2017 through October 31, 2017, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 795.00 feet to a depth of 15010.00 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 OXY USA INC. for the Patton MDP1 18 Federal 7H Well (Original Hole) API No. 30-015-44273 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.

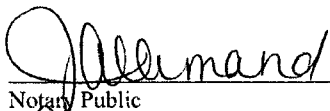
By
Kalu Uga
FE



Subscribed and Sworn to before me this 10th day of November (month) 2017 (yr)

My Commission expires:

12-20-2020



Notary Public

Adams County Colorado
(County State)

(signature) JENNIFER ALLEMAND
Notary Public
State of Colorado
Notary ID # 20164047962
My Commission Expires 12-20-2020

Schlumberger**OXY**

Borehole:

Well:

Field:

Structure:

Original Borehole

Oxy Patton MDP1 18 Federal 7H

NM Eddy County (NAD 83)

Oxy Patton MDP1 18 Federal 7H

Gravity & Magnetic Parameters

Model: HOGM 2017 Dip: 59.988° Date: 25-Oct-2017
 MagDec: 6.954° FS: 48080.264nT Gravity FS: 998.428mg (9.80665 Based)

Surface Location

NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Lat: N 32 13 27.05 Northing: 445886.010US
 Lon: W 103 48 33.18 Easting: 703412.250US

Miscellaneous

Oxy Patton MDP1 18 Federal 7H
 Oxy Patton MDP1 18 Federal 7H REV2 LBN 25Oct17
 TVD Ref: RKB=26.5(3550.6R above MSL)
 Plan: Oxy Patton MDP1 18 Federal 7H REV2 LBN 25Oct17

Critical Point

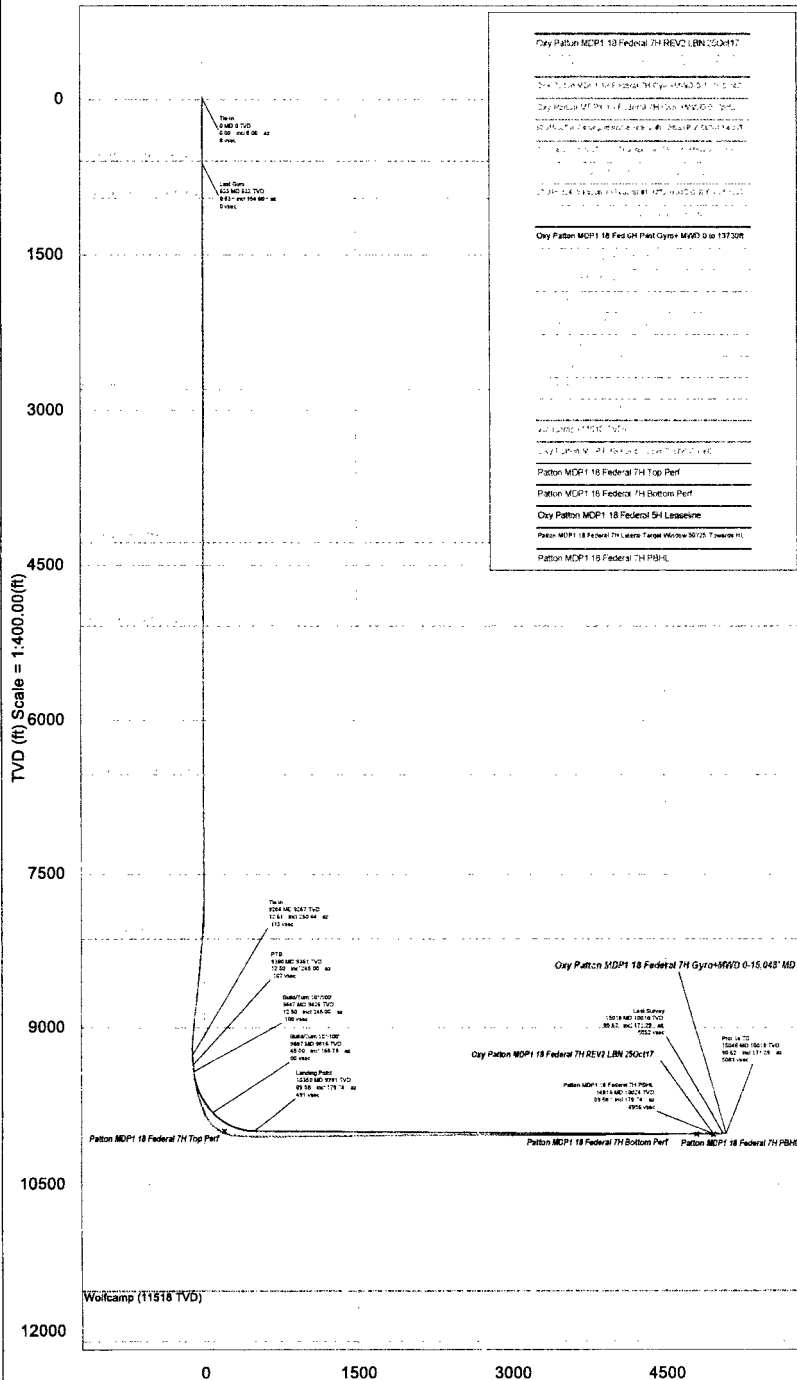
MD	INCL	AZIM	TVD	VSEC	N(H)/S(-)	E(H)/W(-)	DLS
Rusher	602.02	0.88	142.56	602.00	0.05	-0.10	0.33
Salado	959.03	0.07	165.01	959.00	0.47	-0.52	0.07
Casbie Anticline	2301.03	0.05	251.29	2301.00	1.13	-1.16	0.02
Lamar/Delaware	4281.04	0.34	6.80	4281.00	0.35	0.40	0.20
Bell Canyon	5094.04	0.08	157.50	5094.00	-0.26	0.31	0.12
Brushy Canyon	6530.04	0.04	296.70	6530.00	0.19	0.24	0.11
Bone Spring	8139.60	4.59	354.52	8139.00	-15.02	14.72	2.88
Tie In	9284.00	12.61	250.44	9287.35	-113.23	115.93	
PT3	10080.00	12.50	245.00	9361.12	-106.69	109.80	3.49
Build/turn 10 /100	9446.52	12.50	245.00	9426.07	-100.34	103.71	0.00
Build/turn 10 /100	9886.89	45.00	165.75	9816.12	79.72	-76.28	10.00
Heel Cross	10034.89	59.11	171.46	9906.95	193.59	-190.63	10.00
Landing Point	10349.52	69.58	173.74	9951.00	491.23	-488.77	10.00
Toe Omas	14655.56	83.58	179.74	10032.82	4796.26	-4705.15	0.00
Patton MDP1 18 Federal 7H PBHL	14816.08	83.58	179.74	10024.00	4596.23	-4555.15	0.00
Wellcamp	N/A			11518.00			

Critical Points

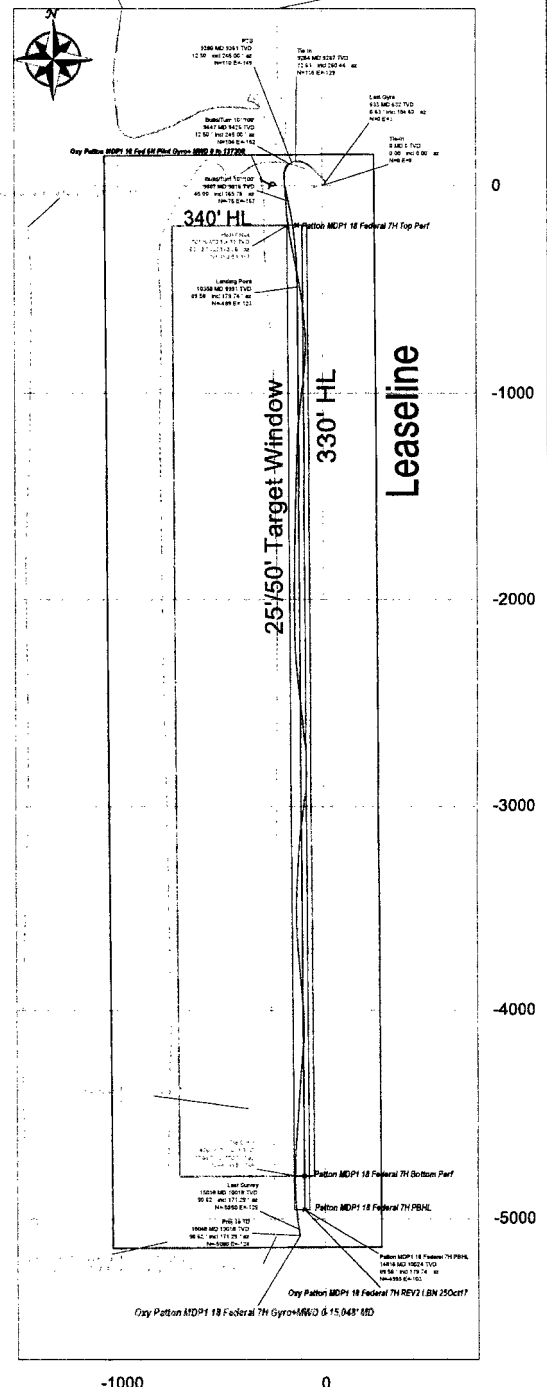
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Grid North
 Tot Corr (M->G 6.674")
 Mag Dec (6.954")
 Grid Conv (0.279")



Vertical Section (ft) Azim = 181.19° Scale = 1:400.00(ft) Origin = 0N/-S, 0E/-W



EW (ft) Scale = 1:200.00(ft)