

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico		
T. Anhy	1576	T. Canyon	T. Ojo Alamo	T. Penn "A"
T. Salt	1681	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt		T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	2731	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	2976	T. Devonian	T. Cliff House	T. Leadville
T. Queen	3495	T. Silurian	T. Menefee	T. Madison
T. Grayburg	3829	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	4108	T. Simpson	T. Mancos	T. McCracken
T. Glorieta		T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock		T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry		T. Gr. Wash	T. Dakota	
T. Tubb		T. Delaware Sand	T. Morrison	
T. Drinkard		T. Bone Springs	T. Todilto	
T. Abo		T.	T. Entrada	
T. Wolfcamp		T.	T. Wingate	
T. Penn		T.	T. Chinle	
T. Cisco (Bough C)		T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from 4005 to 4379
 No. 2, from to
 No. 3, from to
 No. 4, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet
 No. 2, from to feet
 No. 3, from to feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
3495	3829	334	Mixed anhydrite & silt with minor dolomite				
3829	4005	176	Mixed anhydrite, silt, & dolomite				
4005	4108	103	Mixed silt & dolomite with minor anhydrite				
4108	4604	496	Dolomite				

INCLINATION REPORT

FIELD NAME	LEASE NAME	Well Number
Hobbs; Grayburg-San Andres	North Hobbs G/SA Unit	946
OPERATOR		
Occidental Permian Ltd.		
ADDRESS		
P.O. Box 4294, Houston, TX 77210-4294		
LOCATION (Section, Block, and Survey)		County
Sec. 18, UL 0, T-18-S, R-38-E		Lea

HOBBS OCD

APR 10 2014

RECEIVED

RECORD OF INCLINATION

Measured Depth (feet)	Course Length (Hundreds of feet)	Angle of Inclination (degrees)	Displacement per Hundred Feet (Sine of Angle X100)	Course Displacement (feet)	Accumulative Displacement (feet)
500	5.00	0.48	0.84	4.19	4.19
900	4.00	0.51	0.89	3.56	7.75
1200	3.00	0.34	0.59	1.78	9.53
1676	4.76	0.44	0.77	3.66	13.18
1857	1.81	0.62	1.08	1.96	15.14
2037	1.80	0.7	1.22	2.20	17.34
2217	1.80	0.79	1.38	2.48	19.82
2397	1.80	0.88	1.54	2.76	22.59
2578	1.81	1.49	2.60	4.71	27.30
3118	5.40	1.18	2.06	11.12	38.42
3299	1.81	0.35	0.61	1.11	39.52
3479	1.80	0.62	1.08	1.95	41.47
3659	1.80	1.06	1.85	3.33	44.80
3839	1.80	1.32	2.30	4.15	48.95
4020	1.81	1.41	2.46	4.45	53.40
4380	3.60	1.23	2.15	7.73	61.13
	-43.80		0.00	0.00	61.13
	0.00		0.00	0.00	61.13
	0.00		0.00	0.00	61.13
	0.00		0.00	0.00	61.13
	0.00		0.00	0.00	61.13
	0.00		0.00	0.00	61.13

Accumulative total displacement of well bore at total depth of		4380	feet =	61.13
Inclination measurements were made in -	Tubing	Casing	Open Hole	Drill Pipe
				X

Distance from surface location of well to the nearest lease line measured in feet -----

Minimum distance to lease line as prescribed by field rules measured in feet -----

Was the subject well at any time intentionally deviated from the vertical in an manner whatsoever?

Company Operator

Signature of Authorized Representative Naomi Michaelis Admin Coordinator Mark Stephens, Reg. Comp. Analyst

Name of Person and Title (type or print) Helmerich & Payne IDC Occidental Permian Ltd.

Name of Company Operator

Telephone: (432) 563-5757 Telephone: (713) 366-5158



Job Number: SVMO-140207

Company: OXY USA, Inc.

Lease/Well: NHU 18-946

Location: Lea County, NM

Rig Name: H&P #346

RKB: 17'

G.L. or M.S.L.: GL

State/Country: New Mexico/USA

Declination: 6.52°

Grid: East To Grid North

File name: S:\2014SU~1\OXY\MO\NHU\18946.SVY

Date/Time: 17-Feb-14 / 09:47

Curve Name: Surface - 1500' M.D. (SRG) (API 30-025-41550)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 1500 MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
 Shawn Freeman 2/17/14
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.45	121.42	100.00	-.20	.34	-.20	.39	121.42	.45
200.00	.47	84.32	200.00	-.37	1.08	-.37	1.14	108.88	.29
300.00	.46	99.93	299.99	-.40	1.88	-.40	1.92	101.93	.13
400.00	.60	89.41	399.99	-.46	2.80	-.46	2.84	99.35	.17
500.00	.48	87.07	499.98	-.43	3.74	-.43	3.77	96.62	.12
600.00	.59	103.46	599.98	-.53	4.66	-.53	4.69	96.52	.19
700.00	.50	97.31	699.98	-.71	5.60	-.71	5.64	97.21	.11
800.00	.40	123.95	799.97	-.96	6.32	-.96	6.39	98.63	.23
900.00	.51	127.91	899.97	-1.43	6.96	-1.43	7.10	101.59	.11

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1000.00	.32	19.21	999.97	-1.44	7.40	-1.44	7.54	100.99	.68
1100.00	.36	338.21	1099.97	-.88	7.38	-.88	7.43	96.81	.24
1200.00	.34	9.47	1199.96	-.30	7.31	-.30	7.31	92.33	.19
1300.00	.41	330.94	1299.96	.31	7.18	.31	7.19	87.54	.26
1400.00	.16	280.72	1399.96	.65	6.87	.65	6.90	84.62	.33

Last Survey Depth Recorded									
1500.00	.26	283.64	1499.96	.73	6.52	.73	6.56	83.64	.10