

OXY USA Inc.
Cypress 34 Federal #8H
API No. 30-015-39430

16" hole @ 408'
13-3/8" csg @ 408'
w/ 350sx-TOC-Surf-Circ

12-1/4" hole @ 3100'
9-5/8" csg @ 3100'
w/ 1145sx-TOC-Surf-Circ



8-1/2" hole @ 13073'
5-1/2" csg @ 13073'
POST @ 3156'
w/ 2280sx-TOC-Surf-Circ

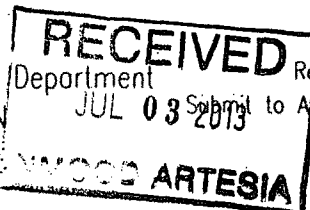
2-7/8" tbg @ w/ pkr @ 8070'

Perfs @ 9115-12910'

TD - 13073'M 8910'V

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brozos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☒ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39430	Pool Code 11520	Pool Name Cedar Canyon Bone Springs
Property Code	Property Name CYPRESS "34" FEDERAL	Well Number 8H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3041.3'

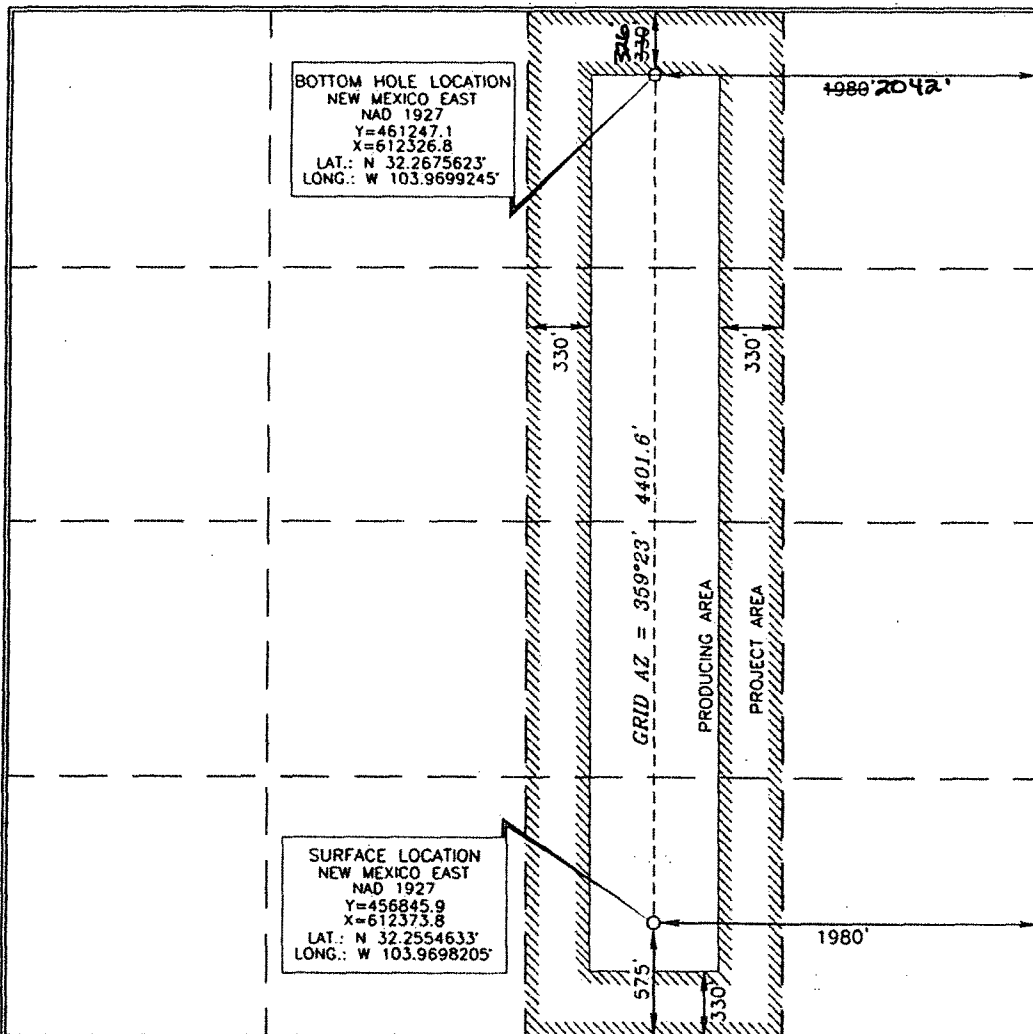
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	34	23 SOUTH	29 EAST, N.M.P.M.		575'	SOUTH	1980'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	34	23 SOUTH	29 EAST, N.M.P.M.		330' 326'	NORTH	1980' 2042'	EAST	EDDY
Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No. PB - 440 FNL 2039 FEL (B) Top Perf - 995 FNL 1986 FEL (B)						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Date

David Stewart Sr. Reg. A.D.O.
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Survey

Signature and Seal of Professional

15079
JANUARY 6, 2011
REGISTERED PROFESSIONAL LAND SURVEYOR
2/27/2011
Certificate Number **15079**

WO# 110106WL-b (Rev. A) (KA)

OCCIDENTAL PERMIAN LTD.

Nash Draw Delaware
Eddy County, NM
Cypress 34 Federal #8H
DH - Job #320313-MPH-278

Survey: MWD

SDI Standard Survey Report

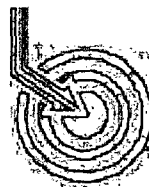
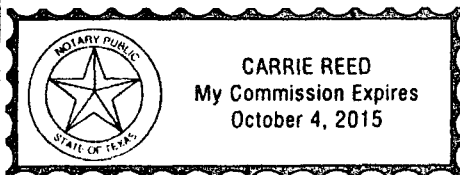
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 16th of May, 2013.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling

Cypress 34 Federal 8H MWD 455' to 8074' Survey Report

(Def Survey)

Report Date: June 10, 2013 - 12:01 PM
 Client: Oxy
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: Oxy (Cypress 34 Federal 8H) H&P 474 / Cypress 34 Federal 8H
 Well: Cypress 34 Federal 8H
 Borehole: Original Hole
 UWI / API#: NM-OXY-0051 / 30-015-39430
 Survey Name: Cypress 34 Federal 8H MWD 455' to 8074'
 Survey Date: March 21, 2013
 Tort / AHD / DDI / ERD Ratio: 23.424' / 178.585 ft / 3.622 / 0.022
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 15' 19.66788", W 103° 58' 11.37000"
 Location Grid N/E Y/X: N 456845 883 / US, E 612372 435 / US
 CRS Grid Convergence Angle: 0.19400453 °
 Grid Scale Factor: 0.99992355

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 0.000 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3066.000 ft above MSL
 Seabed / Ground Elevation: 3041.000 ft above MSL
 Magnetic Declination: 7.621 °
 Total Field Strength: 48390.973 nT
 Magnetic Dip Angle: 60.059 °
 Declination Date: March 21, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.194 °
 Total Corr Mag North->Grid North: 7.427 °
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	456845.88	612372.43	N 32 15 19.67	W 103 58 11.37
Assumed Vertical	408.00	0.00	0.00	408.00	0.00	0.00	0.00	0.00	456845.88	612372.43	N 32 15 19.67	W 103 58 11.37
First MWD Survey	455.00	1.01	149.24	455.00	-0.36	-0.36	0.21	2.15	456845.53	612372.65	N 32 15 19.66	W 103 58 11.37
	676.00	1.10	151.74	675.96	-3.90	-3.90	2.21	0.05	456841.99	612374.85	N 32 15 19.63	W 103 58 11.34
	841.00	1.32	167.04	840.92	-7.15	-7.15	3.39	0.24	456838.74	612375.82	N 32 15 19.60	W 103 58 11.33
	1025.00	1.32	174.51	1024.87	-11.32	-11.32	4.07	0.09	456834.56	612376.50	N 32 15 19.56	W 103 58 11.32
	1224.00	1.71	182.51	1223.81	-16.57	-16.57	4.16	0.22	456829.32	612376.59	N 32 15 19.50	W 103 58 11.32
	1419.00	1.80	184.61	1418.71	-22.53	-22.53	3.78	0.06	456823.36	612376.22	N 32 15 19.44	W 103 58 11.33
	1608.00	1.80	186.81	1607.62	-28.43	-28.43	3.19	0.04	456817.45	612375.63	N 32 15 19.39	W 103 58 11.33
	1800.00	1.32	178.81	1799.55	-33.64	-33.64	2.88	0.27	456812.25	612375.31	N 32 15 19.33	W 103 58 11.34
	1989.00	0.70	178.95	1988.52	-36.97	-36.97	2.95	0.33	456808.92	612375.38	N 32 15 19.30	W 103 58 11.34
	2178.00	0.82	169.32	2177.51	-39.13	-39.13	3.16	0.07	456806.76	612375.59	N 32 15 19.28	W 103 58 11.33
	2365.00	0.40	188.31	2364.50	-40.77	-40.77	3.25	0.15	456805.12	612375.68	N 32 15 19.26	W 103 58 11.33
	2552.00	1.19	145.11	2551.48	-43.01	-43.01	4.27	0.50	456802.88	612376.70	N 32 15 19.24	W 103 58 11.32
	2743.00	1.80	157.63	2742.42	-47.41	-47.41	6.54	0.36	456798.48	612378.98	N 32 15 19.20	W 103 58 11.30
	2930.00	2.42	154.42	2929.29	-53.69	-53.69	9.37	0.34	456792.20	612381.80	N 32 15 19.14	W 103 58 11.26
	3027.00	2.20	154.51	3026.21	-57.21	-57.21	11.05	0.23	456788.67	612383.48	N 32 15 19.11	W 103 58 11.24
	3051.00	2.29	152.71	3050.19	-58.06	-58.06	11.47	0.48	456787.83	612383.90	N 32 15 19.09	W 103 58 11.24
	3154.00	2.02	153.33	3153.12	-61.51	-61.51	13.23	0.26	456784.38	612385.66	N 32 15 19.06	W 103 58 11.22
	3344.00	2.20	152.93	3342.99	-67.75	-67.75	16.39	0.10	456778.14	612388.82	N 32 15 19.00	W 103 58 11.18
	3533.00	2.11	151.13	3531.85	-74.02	-74.02	19.72	0.06	456771.87	612392.15	N 32 15 18.93	W 103 58 11.14
	3722.00	2.20	151.13	3720.72	-80.25	-80.25	23.15	0.05	456765.64	612395.58	N 32 15 18.87	W 103 58 11.10
	3911.00	2.11	37.44	3909.65	-80.66	-80.66	27.02	1.91	456765.23	612399.45	N 32 15 18.87	W 103 58 11.06
	4100.00	2.11	31.24	4098.52	-74.92	-74.92	30.94	0.12	456770.97	612403.37	N 32 15 18.93	W 103 58 11.01
	4290.00	2.11	30.23	4288.39	-68.91	-68.91	34.51	0.02	456776.98	612406.95	N 32 15 18.96	W 103 58 10.97
	4479.00	2.20	31.64	4477.26	-62.82	-62.82	38.17	0.06	456783.07	612410.60	N 32 15 19.05	W 103 58 10.93
	4668.00	2.20	30.32	4666.12	-56.60	-56.60	41.90	0.03	456789.29	612414.34	N 32 15 19.11	W 103 58 10.88
	4857.00	0.62	330.73	4855.06	-52.57	-52.57	43.24	1.04	456793.31	612415.67	N 32 15 19.15	W 103 58 10.87
	5047.00	0.48	348.62	5045.05	-50.90	-50.90	42.58	0.12	456794.96	612415.01	N 32 15 19.16	W 103 58 10.88
	5236.00	0.40	1.14	5234.05	-49.46	-49.46	42.43	0.07	456796.43	612414.86	N 32 15 19.18	W 103 58 10.88
	5425.00	0.31	343.21	5423.05	-48.31	-48.31	42.30	0.08	456797.58	612414.73	N 32 15 19.19	W 103 58 10.88
	5614.00	0.40	308.14	5612.04	-47.41	-47.41	41.63	0.12	456798.47	612414.06	N 32 15 19.20	W 103 58 10.89
	5804.00	0.62	288.63	5802.03	-46.68	-46.68	40.14	0.15	456799.21	612412.57	N 32 15 19.20	W 103 58 10.90
	5993.00	0.40	276.81	5991.03	-46.27	-46.27	38.51	0.13	456799.62	612410.94	N 32 15 19.21	W 103 58 10.92
	6183.00	0.48	276.72	6181.02	-46.10	-46.10	37.06	0.04	456799.79	612409.49	N 32 15 19.21	W 103 58 10.94
	6372.00	0.31	258.53	6370.02	-46.11	-46.11	35.78	0.11	456799.78	612408.21	N 32 15 19.21	W 103 58 10.96
	6562.00	0.40	222.71	6560.01	-46.70	-46.70	34.82	0.12	456799.19	612407.25	N 32 15 19.20	W 103 58 10.97
	6751.00	0.48	229.83	6749.01	-47.69	-47.69	33.77	0.05	456798.19	612406.20	N 32 15 19.19	W 103 58 10.98
	6940.00	0.70	227.11	6938.00	-48.99	-48.99	32.32	0.12	456796.90	612404.75	N 32 15 19.18	W 103 58 11.00
	7129.00	1.71	220.34	7126.95	-51.92	-51.92	29.65	0.54	456793.96	612402.08	N 32 15 19.15	W 103 58 11.03
	7319.00	1.80	198.63	7316.87	-56.91	-56.91	26.86	0.35	456788.97	612399.29	N 32 15 19.10	W 103 58 11.06
	7508.00	3.12	184.83	7505.69	-64.85	-64.85	25.48	0.76	456781.04	612397.91	N 32 15 19.03	W 103 58 11.08
	7697.00	1.41	251.15	7694.56	-70.73	-70.73	22.84	1.51	456775.16	612395.28	N 32 15 18.97	W 103 58 11.11
	7886.00	2.20	213.53	7883.47	-74.50	-74.50	18.64	0.73	456771.38	612391.07	N 32 15 18.93	W 103 58 11.16
Final MWD Survey	8074.00	2.90	226.01	8071.29	-80.82	-80.82	13.22	0.47	456765.07	612385.66	N 32 15 18.87	W 103 58 11.22

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
 Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Survey Tool Type	Borehole / Survey
	0.000	25.000	1/25.000	SLB_BLIND+TREND-Depth Only	Original Hole / Cypress 34 Federal 8H MWD 455' to 8074'
	25.000	408.000	1/98.425	SLB_BLIND+TREND	Original Hole / Cypress 34 Federal 8H MWD 455' to 8074'
	408.000	408.000	Act Sins	SLB_BLIND+TREND	Original Hole / Cypress 34 Federal 8H MWD 455' to 8074'
	408.000	8074.000	1/7666.000	SLB_MWD-STD	Original Hole / Cypress 34 Federal 8H MWD 455' to 8074'

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Cypress 34 Federal #8H
Project:	Nash Draw Delaware	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Cypress 34 Federal #8H	North Reference:	Grid
Wellbore:	DH - Job #320313-MPH-278	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320313-MPH-278	Database:	EDM-Regulatory

Project		Nash Draw Delaware	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Eddy County, NM			
Site Position:		Northing:	461,073.91 usft	Latitude:	32° 16' 1.542 N
From:	Lat/Long	Easting:	611,392.06 usft	Longitude:	103° 58' 22.621 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.19 °

Well: Cypress 34 Federal #8H, Directional						
Well Position	+N/-S	0.00 usft	Northing:	456,849.04 usft	Latitude:	32° 15' 19.668 N
	+E/-W	0.00 usft	Easting:	613,301.23 usft	Longitude:	103° 58' 0.554 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	0.00 usft

Wellbore		DH - Job #320313-MPH-278			
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	03/17/13	7.56	60.11	48,442

Design:		DH - Job #320313-MPH-278			
Audit Notes:					
Version:		1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction
		(usft)	(usft)	(usft)	(°)
		0.00	0.00	0.00	359.39

Survey Program		Date: 05/09/13		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
3,154.00	13,073.00	MWD (DH - Job #320313-MPH-278)	Keeper	Keeper Surface Readout

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
3,051.00	2.29	152.71	3,050.18	-61.15	13.31	167.72	62.58
3,154.00	2.02	153.55	3,153.11	-64.60	15.06	166.88	66.34
3,344.00	2.20	152.93	3,342.98	-70.85	18.21	165.58	73.15
3,533.00	2.11	151.13	3,531.84	-77.13	21.54	164.39	80.08
3,722.00	2.20	151.13	3,720.71	-83.35	24.98	163.32	87.01
3,911.00	2.11	37.62	3,909.64	-83.77	28.85	161.00	88.60
4,100.00	2.11	32.74	4,098.51	-78.09	32.86	157.18	84.72
4,290.00	2.11	34.72	4,288.38	-72.27	36.74	153.05	81.08
4,479.00	2.20	31.64	4,477.25	-66.32	40.63	148.51	77.78
4,668.00	2.20	30.32	4,666.11	-60.10	44.36	143.57	74.70
4,857.00	0.62	330.73	4,855.05	-56.08	45.69	140.83	72.34
5,047.00	0.48	348.62	5,045.04	-54.40	45.03	140.38	70.62

Scientific Drilling International, Inc.

SDI Standard Survey Report

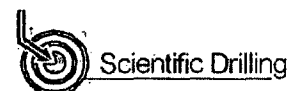


Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Cypress 34 Federal #8H
Project:	Nash Draw Delaware	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Cypress 34 Federal #8H	North Reference:	Grid
Wellbore:	DH - Job #320313-MPH-278	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320313-MPH-278	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,236.00	0.40	1.14	5,234.04	-52.97	44.89	139.72	69.43
5,425.00	0.31	343.21	5,423.04	-51.82	44.75	139.18	68.47
5,614.00	0.40	308.14	5,612.03	-50.92	44.09	139.11	67.36
5,804.00	0.62	288.63	5,802.02	-50.18	42.59	139.68	65.82
5,993.00	0.40	276.81	5,991.02	-49.78	40.97	140.55	64.47
6,183.00	0.48	276.72	6,181.01	-49.61	39.52	141.46	63.42
6,372.00	0.31	258.53	6,370.01	-49.62	38.23	142.38	62.64
6,562.00	0.40	221.71	6,560.00	-50.21	37.29	143.40	62.54
6,751.00	0.48	229.83	6,749.00	-51.22	36.24	144.71	62.74
6,940.00	0.70	227.11	6,937.99	-52.51	34.79	146.47	62.99
7,129.00	1.71	220.34	7,126.94	-55.45	32.12	149.92	64.08
7,319.00	1.80	198.63	7,316.86	-60.44	29.33	154.11	67.18
7,508.00	3.12	184.83	7,505.68	-68.37	27.95	157.77	73.87
7,697.00	1.41	251.15	7,694.55	-74.25	25.32	161.17	78.45
7,886.00	2.20	213.53	7,883.46	-78.03	21.11	164.86	80.83
8,074.00	2.90	226.01	8,071.27	-84.34	15.70	169.46	85.79
8,100.00	2.81	227.27	8,097.24	-85.23	14.76	170.18	86.50
8,132.00	3.25	227.27	8,129.20	-86.38	13.51	171.11	87.43
8,163.00	3.31	255.11	8,160.15	-87.20	12.00	172.16	88.02
8,195.00	3.96	281.94	8,192.09	-87.21	10.03	173.44	87.79
8,226.00	5.72	287.91	8,222.98	-86.51	7.51	175.04	86.84
8,258.00	7.65	299.16	8,254.76	-84.99	4.13	177.22	85.09
8,289.00	9.76	307.78	8,285.40	-82.37	0.25	179.82	82.37
8,321.00	12.40	318.32	8,316.80	-78.14	-4.18	183.06	78.25
8,353.00	14.77	324.91	8,347.91	-72.24	-8.81	186.95	72.77
8,384.00	17.15	329.22	8,377.71	-65.08	-13.42	191.65	66.44
8,416.00	18.82	334.05	8,408.15	-56.38	-18.09	197.79	59.21
8,447.00	19.43	339.77	8,437.44	-47.04	-22.06	205.12	51.96
8,479.00	19.79	347.33	8,467.59	-36.76	-25.09	214.31	44.51
8,510.00	21.63	352.86	8,496.59	-25.97	-26.95	226.06	37.43
8,543.00	23.48	354.45	8,527.06	-13.39	-28.34	244.71	31.35
8,574.00	27.00	356.38	8,555.10	-0.22	-29.39	269.57	29.39
8,606.00	31.92	356.47	8,582.95	15.48	-30.37	297.02	34.09
8,637.00	35.61	356.55	8,608.72	32.68	-31.41	316.13	45.33
8,669.00	37.90	357.17	8,634.36	51.80	-32.46	327.93	61.13
8,700.00	40.63	358.58	8,658.36	71.40	-33.18	335.08	78.73
8,732.00	44.32	359.81	8,681.95	93.00	-33.48	340.20	98.84
8,763.00	48.36	1.48	8,703.35	115.42	-33.21	343.95	120.11
8,795.00	53.55	3.41	8,723.50	140.24	-32.14	347.09	143.88
8,826.00	56.01	4.82	8,741.38	165.50	-30.32	349.62	168.25
8,858.00	57.16	5.26	8,759.00	192.10	-27.97	351.72	194.13
8,890.00	59.09	5.52	8,775.90	219.16	-25.42	353.38	220.63
8,921.00	61.55	5.87	8,791.25	245.96	-22.74	354.72	247.00
8,953.00	63.58	6.18	8,805.99	274.20	-19.76	355.88	274.91

Scientific Drilling International, Inc.

SDI Standard Survey Report

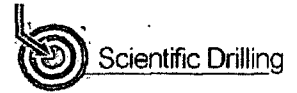


Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Cypress 34 Federal #8H
Project:	Nash Draw Delaware	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM.	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Cypress 34 Federal #8H	North Reference:	Grid
Wellbore:	DH - Job #320313-MPH-278	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320313-MPH-278	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
8,984.00	65.42	6.05	8,819.34	302.02	-16.78	356.82	302.48
9,016.00	67.45	5.61	8,832.13	331.20	-13.80	357.61	331.48
9,047.00	70.00	5.17	8,843.38	359.95	-11.09	358.24	360.12
9,079.00	72.72	5.17	8,853.61	390.15	-8.36	358.77	390.24
9,110.00	75.97	5.34	8,861.97	419.87	-5.62	359.23	419.91
9,142.00	79.32	5.61	8,868.82	450.98	-2.64	359.66	450.99
9,189.00	83.80	4.29	8,875.71	497.29	1.37	0.16	497.29
9,220.00	84.77	1.74	8,878.80	528.09	2.99	0.32	528.09
9,252.00	86.17	359.81	8,881.33	559.98	3.42	0.35	559.99
9,315.00	85.82	359.37	8,885.73	622.82	2.97	0.27	622.83
9,410.00	88.64	359.19	8,890.32	717.70	1.78	0.14	717.70
9,504.00	88.37	0.42	8,892.77	811.66	1.46	0.10	811.66
9,599.00	87.93	0.25	8,895.84	906.61	2.01	0.13	906.61
9,694.00	88.64	358.75	8,898.68	1,001.56	1.18	0.07	1,001.56
9,788.00	91.10	358.66	8,898.89	1,095.53	-0.94	359.95	1,095.53
9,883.00	90.84	358.14	8,897.29	1,190.48	-3.59	359.83	1,190.48
9,978.00	90.22	359.10	8,896.41	1,285.45	-5.88	359.74	1,285.46
10,072.00	89.87	358.14	8,896.33	1,379.42	-8.15	359.66	1,379.44
10,167.00	89.87	357.78	8,896.55	1,474.36	-11.53	359.55	1,474.40
10,262.00	89.78	357.17	8,896.84	1,569.26	-15.71	359.43	1,569.34
10,356.00	89.43	357.61	8,897.49	1,663.16	-19.99	359.31	1,663.28
10,451.00	90.04	359.63	8,897.93	1,758.13	-22.28	359.27	1,758.27
10,546.00	90.31	359.37	8,897.64	1,853.13	-23.11	359.29	1,853.27
10,640.00	90.04	359.37	8,897.35	1,947.12	-24.14	359.29	1,947.27
10,735.00	89.87	0.25	8,897.42	2,042.12	-24.46	359.31	2,042.26
10,829.00	89.96	0.16	8,897.56	2,136.12	-24.12	359.35	2,136.25
10,924.00	91.28	0.07	8,896.54	2,231.11	-23.93	359.39	2,231.24
11,019.00	91.80	0.07	8,893.98	2,326.07	-23.81	359.41	2,326.20
11,113.00	93.21	359.45	8,889.87	2,419.98	-24.21	359.43	2,420.10
11,208.00	91.45	0.25	8,886.01	2,514.90	-24.46	359.44	2,515.02
11,302.00	91.10	359.54	8,883.92	2,608.87	-24.63	359.46	2,608.99
11,397.00	90.84	359.63	8,882.31	2,703.86	-25.32	359.46	2,703.98
11,492.00	91.54	358.49	8,880.34	2,798.82	-26.87	359.45	2,798.95
11,586.00	89.34	359.37	8,879.62	2,892.80	-28.63	359.43	2,892.94
11,681.00	89.16	358.84	8,880.86	2,987.78	-30.11	359.42	2,987.93
11,775.00	90.04	359.37	8,881.52	3,081.76	-31.58	359.41	3,081.92
11,870.00	90.48	358.22	8,881.09	3,176.74	-33.58	359.39	3,176.91
11,965.00	91.28	358.49	8,879.63	3,271.69	-36.31	359.36	3,271.89
12,059.00	90.48	357.96	8,878.18	3,365.63	-39.22	359.33	3,365.86
12,154.00	89.60	359.19	8,878.12	3,460.60	-41.58	359.31	3,460.85
12,249.00	89.52	358.66	8,878.85	3,555.58	-43.36	359.30	3,555.84
12,343.00	87.58	359.19	8,881.22	3,649.52	-45.12	359.29	3,649.80
12,438.00	87.41	359.10	8,885.38	3,744.42	-46.54	359.29	3,744.71
12,553.00	87.76	359.02	8,890.22	3,859.31	-48.43	359.28	3,859.61

Scientific Drilling International, Inc.

SDI Standard Survey Report



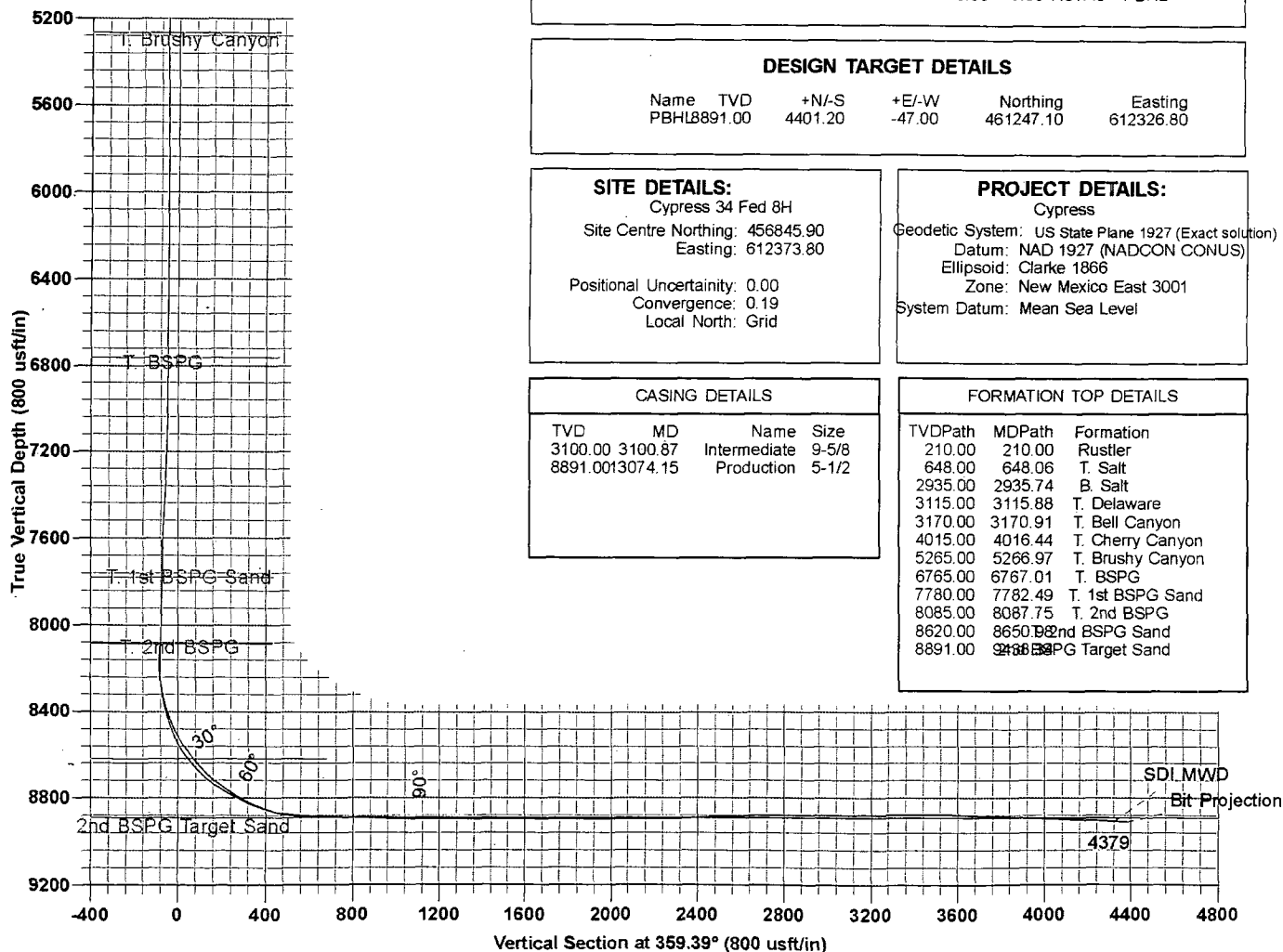
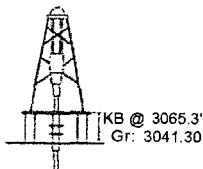
Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Cypress 34 Federal #8H
Project:	Nash Draw Delaware	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Cypress 34 Federal #8H	North Reference:	Grid
Wellbore:	DH - Job #320313-MPH-278	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320313-MPH-278	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
12,627.00	87.93	358.75	8,893.01	3,933.24	-49.86	359.27	3,933.56
12,722.00	88.29	358.75	8,896.14	4,028.16	-51.94	359.26	4,028.50
12,871.00	87.41	358.14	8,901.73	4,177.00	-55.98	359.23	4,177.38
12,911.00	87.41	358.22	8,903.54	4,216.94	-57.25	359.22	4,217.33
13,006.00	87.76	358.31	8,907.54	4,311.81	-60.12	359.20	4,312.23
13,019.00	87.49	358.84	8,908.08	4,324.80	-60.44	359.20	4,325.22
Last MWD Survey							
13,073.00	87.49	358.84	8,910.44	4,378.74	-61.53	359.19	4,379.17
Projection to Bit							

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		N/S (usft)	E/W (usft)	
13,019.00	8,908.08	4,324.80	-60.44	Last MWD Survey
13,073.00	8,910.44	4,378.74	-61.53	Projection to Bit

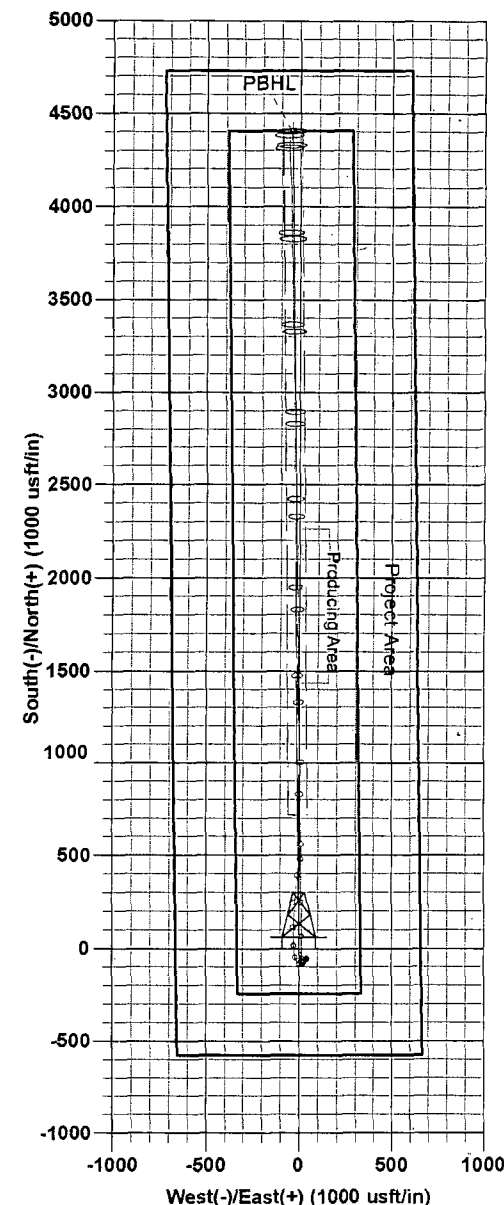


Cyp-34F 8H
Cypress
Northing: 456845.90
Easting: 612373.80
Design #3



Azimuths to Grid North
 True North: -0.19°
 Magnetic North: 7.36°
 Magnetic Field
 Strength: 48417.9snT
 Dip Angle: 60.10°
 Date: 03/21/2013
 Model: IGRF2010

To convert Magnetic North to Grid, Add 7.36°
 To convert True North to Grid, Subtract 0.19°



Jody Barclay
 8:24, April 04 2013
 Scientific Drilling
 2740 N. Highway 287
 Decatur, Texas 76234