



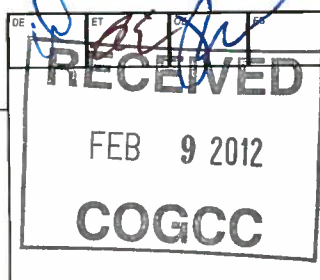
02541879

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)



1. OGCC Operator Number: 66571	4. Contact Name: Joan Proulx	Complete the Attachment Checklist OP OGCC
2. Name of Operator: OXY USA WTP LP, Attn: Glenda Jones	Phone: 970-263-3641	
3. Address: P.O. Box 27757	Fax: 970-263-3694	
City: Houston State: TX Zip: 77227-7757		
5. API Number: 05-045-21282-00	OGCC Facility ID Number:	Survey Plat: X X
6. Well/Facility Name: Shell	Well/Facility Number: 797-03-40	Directional Survey: X X
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): Tract 71 S3 7S 97W 6 PM		Surface Eqpm Diagram:
9. County: Garfield	10. Field Name: Grand Valley	Technical Info Page: X X
11. Federal, Indian or State Lease Number: N/A		Other:

General Notice

<input checked="" type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)																					
Change of Surface Footage from Exterior Section Lines:	<table><tr><td></td><td>FNL/FSL</td><td></td><td>FEL/FWL</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Change of Surface Footage to Exterior Section Lines:</td><td></td><td></td><td></td></tr><tr><td>Change of Bottomhole Footage from Exterior Section Lines:</td><td>3376</td><td>FNL</td><td>511</td></tr><tr><td>Change of Bottomhole Footage to Exterior Section Lines:</td><td>3262</td><td>FNL</td><td>114</td></tr></table>		FNL/FSL		FEL/FWL					Change of Surface Footage to Exterior Section Lines:				Change of Bottomhole Footage from Exterior Section Lines:	3376	FNL	511	Change of Bottomhole Footage to Exterior Section Lines:	3262	FNL	114
	FNL/FSL		FEL/FWL																		
Change of Surface Footage to Exterior Section Lines:																					
Change of Bottomhole Footage from Exterior Section Lines:	3376	FNL	511																		
Change of Bottomhole Footage to Exterior Section Lines:	3262	FNL	114																		
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	Tract 72, S3 T6S 97W 6 PM																				
Latitude	Distance to nearest property line	Distance to nearest bldg, public rd, utility or RR																			
Longitude	Distance to nearest lease line 114'	Is location in a High Density Area (rule 603b)? Yes/No NO																			
Ground Elevation	Distance to nearest well same formation 2114'	Surface owner consultation date:																			
GPS DATA:																					
Date of Measurement PDOP Reading Instrument Operator's Name																					
<input type="checkbox"/> CHANGE SPACING UNIT		<input type="checkbox"/> Remove from surface bond																			
Formation	Formation Code	Signed surface use agreement attached																			
Spacing order number	Unit Acreage																				
Unit configuration																					
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME																				
Effective Date:	From:																				
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To:																				
	Effective Date:																				
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS																				
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:																				
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No																				
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT																				
<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)																				
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK																					
*submit cbl and cement job summaries																					
Method used	Cementing tool setting/perf depth	Cement volume																			
Cement top	Cement bottom	Date																			
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.																					
Final reclamation will commence on approximately																					
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.																					

Technical Engineering/Environmental Notice

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done	
Approximate Start Date: 7/15/2012	Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input checked="" type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other:	for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

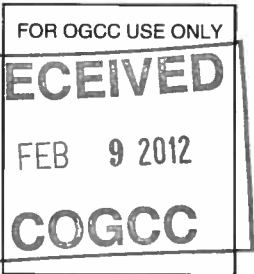
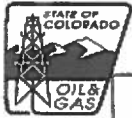
Signed: Joan Proulx Date: 2/8/2012 Email: joan_proulx@oxy.com

Print Name: Joan Proulx Title: Regulatory Analyst

COGCC Approved: [Signature] Title: NWAE Date: 2/27/12

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



1. OGCC Operator Number:	66571	API Number:	05-045-21282-00
2. Name of Operator:	OXY USA WTP LP	OGCC Facility ID #	
3. Well/Facility Name:	Shell	Well/Facility Number:	797-03-40
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	Tract 71 3 7S 97W 6 PM		

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

The bottom hole location of the Shell 797-03-40 well will be changed as outlined on Page 1 of the Sundry Notice.

String	Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	14 3/4	9 5/8	36	1300	614	1300	Surface
Prod	8 3/4	4 1/2	11.6	8177	1913	8177	4608

There will be no change to the objective formation.

100

Well location, SHELL 797-03-40, located as shown in TRACT 71 of Section 3, T7S, R97W, 66th P.M., Garfield County, Colorado.

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 330, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE STATES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 9966 FEET.

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

1923 Brass Cap,
1.0' High,
Lat: 39.474631°
Long: 108.196078°



FEB 9 2012
COGCC



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE STATEMENTS WERE PREPARED FROM THE FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

Revised: 02-02-12 D.R.B.

UTAH
ENGINEERING & LAND
SURVEYING

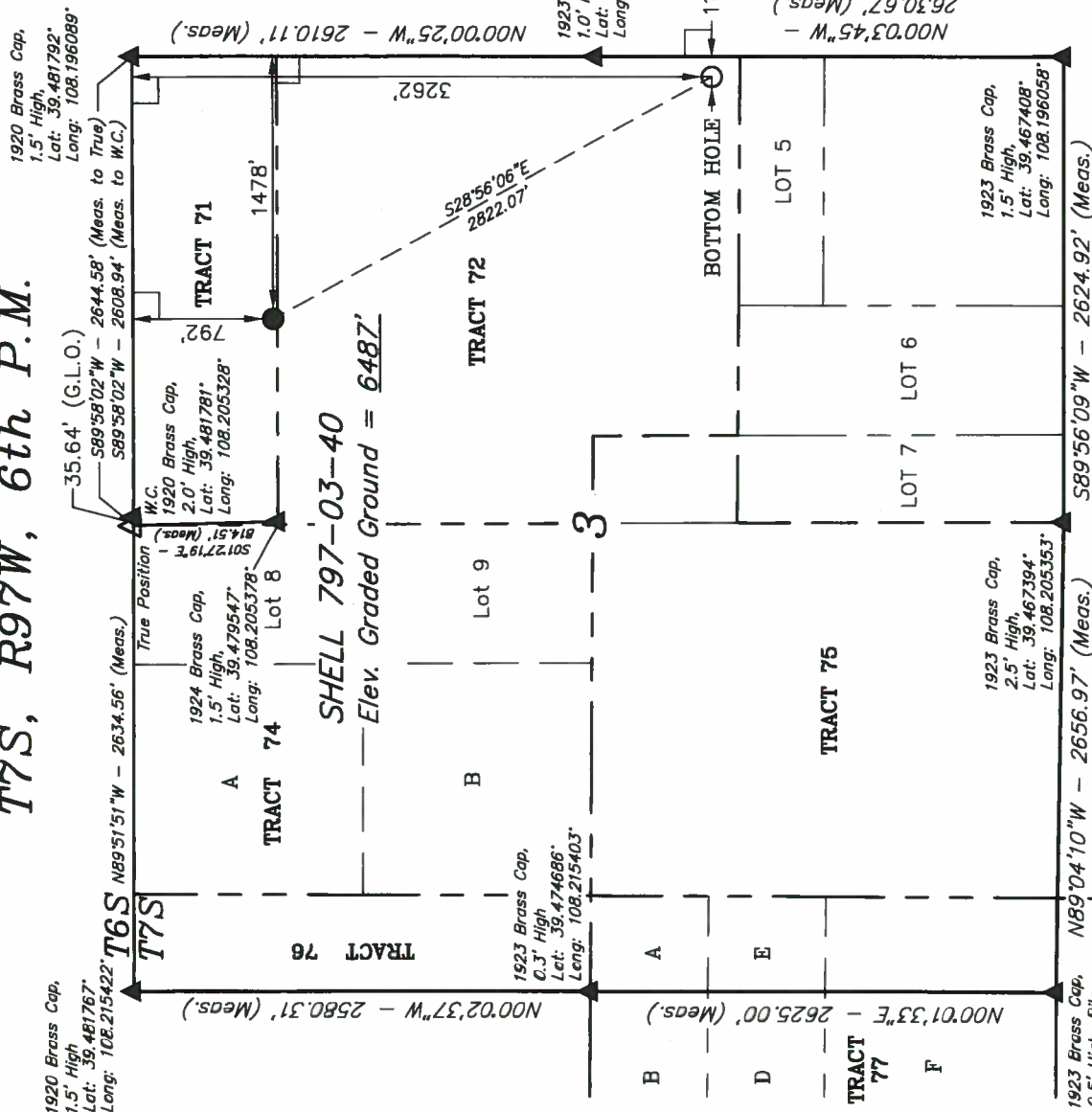
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	08-17-11	10-07-11

REFERENCES

FILE

OXY USA WTP IP



NOTE:
SEE ADDENDUM TO LEGAL PLAT FOR
EXISTING IMPROVEMENTS WITHIN 400'
OF THE PROPOSED WELL DISTURBANCE.

PDOP = 1.5

LEGEND:

 = 90° SYMBOL

● PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°28'22.14"	(39.472817)	LATITUDE = 39°28'46.53"	(39.475992)
LONGITUDE = 108°11'49.60"	(108.197111)	LONGITUDE = 108°12'07.04"	(108.201956)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°28'22.22"	(39.472839)	LATITUDE = 39°28'46.61"	(39.479614)
LONGITUDE = 108°11'47.31"	(108.196475)	LONGITUDE = 108°12'04.75"	(108.201319)



Scientific Drilling

Company: OXY USA RMAT
Project: Garfield County, CO NAD27
Site: Shell 797-03A Pad

RECEIVED

FEB 9 2012

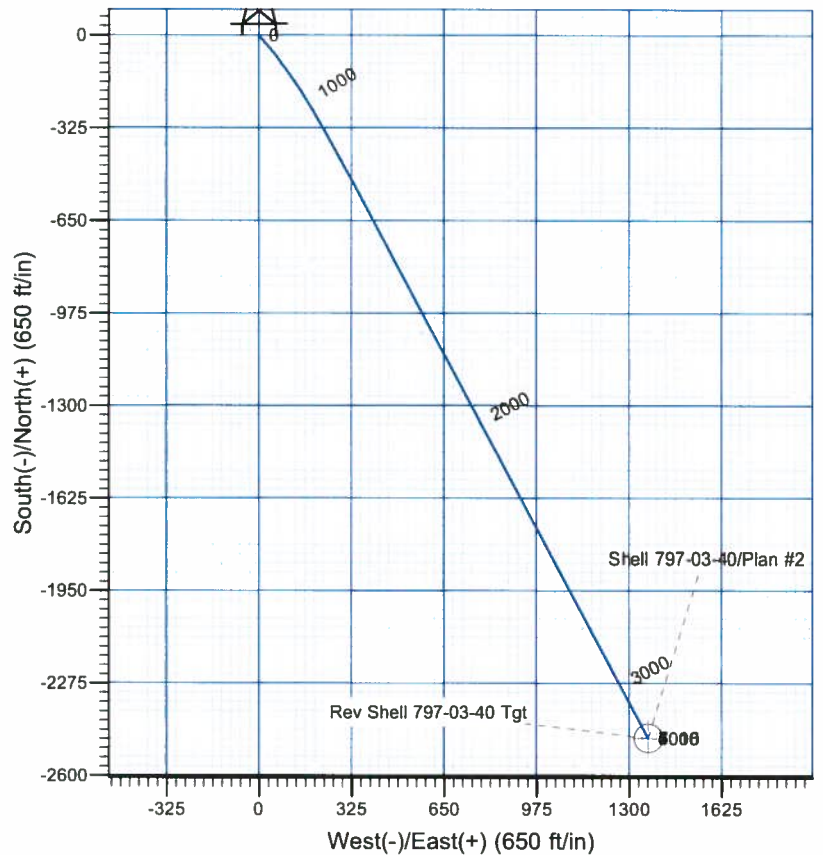
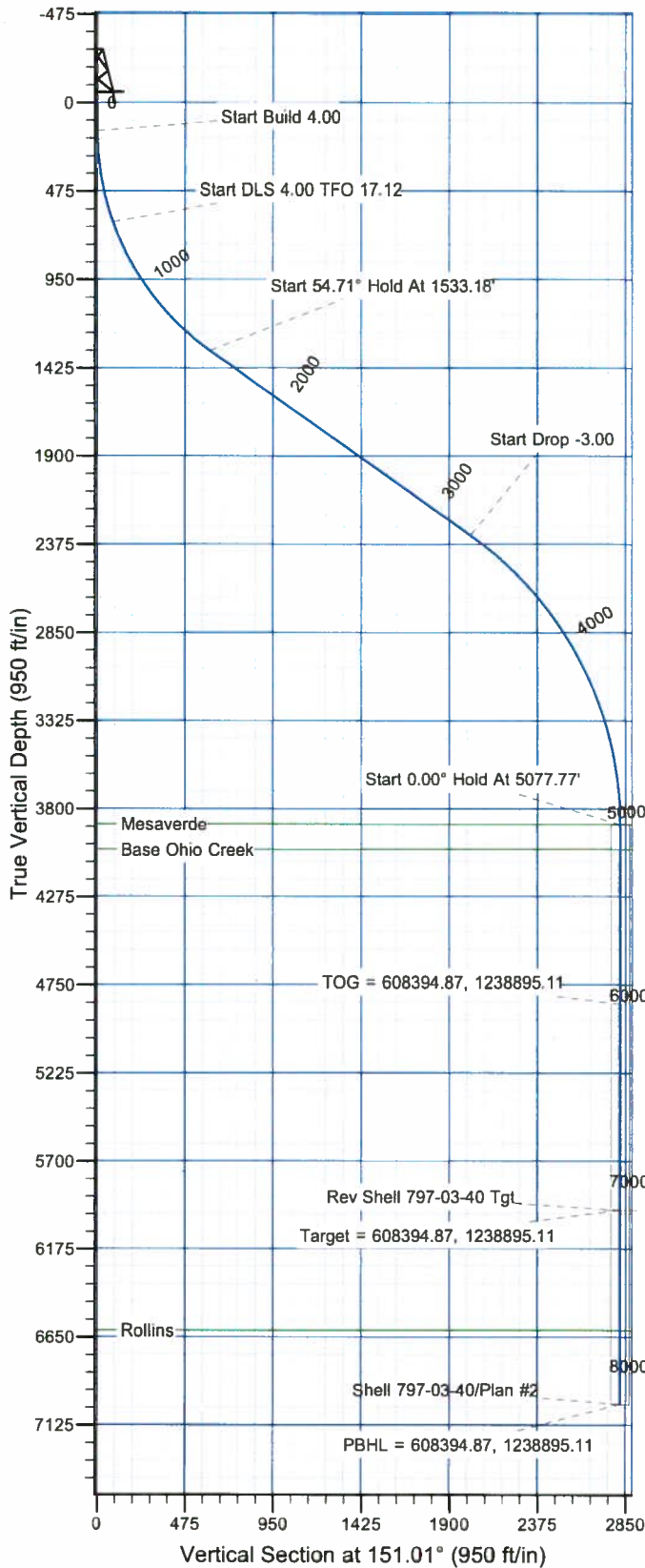
COGCC



Well Details: Shell 797-03-40

TVD Reference: GL 6485' & RKB 30' @ 6515.00ft (H&P) Ground Level: 6485.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 610901.98 1237601.63 39° 28' 46.610 N 108° 12' 4.748 W A

T M Azimuths to True North
Magnetic North: 10.42°
Magnetic Field
Strength: 52192.1nT
Dip Angle: 65.68°
Date: 08/18/2011
Model: IGRF2010



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3885.00	5077.77	Mesaverde
4020.00	5212.77	Base Ohio Creek
6615.00	7807.77	Rollins

Plan: Plan #2

12:03, January 19 2012
Created By: Rex Hall

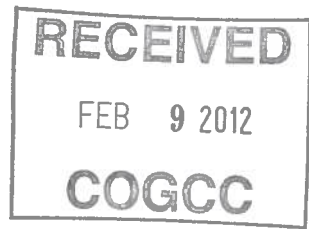
PROJECT DETAILS: Garfield County, CO NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Colorado Central 502

System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
3	650.00	20.00	140.00	639.91	-66.17	55.53	4.00	140.00	84.80	
4	1533.06	54.71	152.03	1331.95	-514.45	330.37	4.00	17.12	610.11	Rev Shell 797-03-40 Tgt
5	1533.18	54.71	152.03	1332.02	-514.54	330.42	4.00	0.00	610.21	
6	3253.94	54.71	152.03	2326.00	-1755.12	989.16	0.00	0.00	2014.62	
7	5077.77	0.00	0.00	3885.00	-2467.56	1367.46	3.00	189.00	2821.13	
8	7158.77	0.00	0.00	5966.00	-2467.56	1367.46	0.00	0.00	2821.13	Rev Shell 797-03-40 Tgt
9	8207.77	0.00	0.00	7915.00	-2467.56	1367.46	0.00	0.00	2821.13	



OXY USA RMAT

Garfield County, CO NAD27

Shell 797-03A Pad

Shell 797-03-40 - Slot A

OH

Plan: Plan #2

Standard Planning Report

19 January, 2012

Scientific Drilling International
Planning Report



Database:	Rockles Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-40 - Slot A
Company:	OXY USA RMAT	TVD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Project:	Garfield County, CO NAD27	MD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Site:	Shell 797-03A Pad	North Reference:	True
Well:	Shell 797-03-40	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Garfield County, CO NAD27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Colorado Central 502		

Site	Shell 797-03A Pad		
Site Position:		Northing:	610,902.00 usft
From:	Lat/Long	Easting:	1,237,601.62 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	39° 28' 46.610 N
		Longitude:	108° 12' 4.748 W
		Grid Convergence:	-1.70 °

Well	Shell 797-03-40 - Slot A		
Well Position	+N/-S	-0.01 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	
		Latitude:	39° 28' 46.610 N
		Longitude:	108° 12' 4.748 W
		Ground Level:	6,485.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	08/18/11	10.42
			Dip Angle
			(°)
			65.68
			Field Strength
			(nT)
			52,192

Design	Plan #2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			151.01

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
650.00	20.00	140.00	639.91	-66.17	55.53	4.00	4.00	0.00	140.00	
1,533.06	54.71	152.03	1,331.95	-514.45	330.37	4.00	3.93	1.36	17.12	Rev Shell 797-03-40
1,533.18	54.71	152.03	1,332.02	-514.54	330.42	4.00	4.00	0.00	0.00	
3,253.94	54.71	152.03	2,326.00	-1,755.12	989.16	0.00	0.00	0.00	0.00	
5,077.77	0.00	0.00	3,885.00	-2,467.56	1,367.46	3.00	-3.00	0.00	180.00	
7,158.77	0.00	0.00	5,966.00	-2,467.56	1,367.46	0.00	0.00	0.00	0.00	Rev Shell 797-03-40
8,207.77	0.00	0.00	7,015.00	-2,467.56	1,367.46	0.00	0.00	0.00	0.00	

Scientific Drilling International
Planning Report

Database:	Rockies Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-40 - Slot A
Company:	OXY USA RMAT	TVD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Project:	Garfield County, CO NAD27	MD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Site:	Shell 797-03A Pad	North Reference:	True
Well:	Shell 797-03-40	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 4.00									
200.00	2.00	140.00	199.99	-0.67	0.56	0.86	4.00	4.00	0.00
300.00	6.00	140.00	299.73	-6.01	5.04	7.70	4.00	4.00	0.00
400.00	10.00	140.00	398.73	-16.67	13.99	21.36	4.00	4.00	0.00
500.00	14.00	140.00	496.53	-32.59	27.35	41.77	4.00	4.00	0.00
600.00	18.00	140.00	592.63	-53.70	45.06	68.82	4.00	4.00	0.00
650.00	20.00	140.00	639.91	-66.17	55.53	84.80	4.00	4.00	0.00
Start DLS 4.00 TFO 17.12									
700.00	21.92	141.58	686.60	-80.04	66.82	102.40	4.00	3.84	3.15
800.00	25.79	144.05	778.04	-112.29	91.20	142.42	4.00	3.87	2.48
900.00	29.70	145.92	866.53	-150.43	117.87	188.71	4.00	3.90	1.87
1,000.00	33.62	147.39	951.63	-194.29	146.68	241.03	4.00	3.93	1.47
1,100.00	37.56	148.58	1,032.93	-243.64	177.50	299.14	4.00	3.94	1.19
1,200.00	41.51	149.57	1,110.04	-298.25	210.19	362.75	4.00	3.95	1.00
1,300.00	45.47	150.43	1,182.57	-357.85	244.58	431.55	4.00	3.96	0.85
1,400.00	49.43	151.17	1,250.18	-422.15	280.50	505.20	4.00	3.96	0.74
1,500.00	53.40	151.83	1,312.54	-490.83	317.78	583.35	4.00	3.97	0.66
1,533.06	54.71	152.03	1,331.95	-514.45	330.37	610.11	4.00	3.97	0.61
1,533.18	54.71	152.03	1,332.02	-514.54	330.42	610.21	4.00	4.00	0.00
Start 54.71° Hold At 1533.18'									
1,600.00	54.71	152.03	1,370.61	-562.71	356.00	664.74	0.00	0.00	0.00
1,700.00	54.71	152.03	1,428.38	-634.80	394.28	746.36	0.00	0.00	0.00
1,800.00	54.71	152.03	1,486.14	-706.90	432.56	827.97	0.00	0.00	0.00
1,900.00	54.71	152.03	1,543.91	-778.99	470.84	909.59	0.00	0.00	0.00
2,000.00	54.71	152.03	1,601.67	-851.09	509.13	991.21	0.00	0.00	0.00
2,100.00	54.71	152.03	1,659.44	-923.19	547.41	1,072.82	0.00	0.00	0.00
2,200.00	54.71	152.03	1,717.20	-995.28	585.69	1,154.44	0.00	0.00	0.00
2,300.00	54.71	152.03	1,774.97	-1,067.38	623.97	1,236.05	0.00	0.00	0.00
2,400.00	54.71	152.03	1,832.73	-1,139.47	662.25	1,317.67	0.00	0.00	0.00
2,500.00	54.71	152.03	1,890.49	-1,211.57	700.54	1,399.29	0.00	0.00	0.00
2,600.00	54.71	152.03	1,948.26	-1,283.66	738.82	1,480.90	0.00	0.00	0.00
2,700.00	54.71	152.03	2,006.02	-1,355.76	777.10	1,562.52	0.00	0.00	0.00
2,800.00	54.71	152.03	2,063.79	-1,427.85	815.38	1,644.13	0.00	0.00	0.00
2,900.00	54.71	152.03	2,121.55	-1,499.95	853.67	1,725.75	0.00	0.00	0.00
3,000.00	54.71	152.03	2,179.32	-1,572.04	891.95	1,807.36	0.00	0.00	0.00
3,100.00	54.71	152.03	2,237.08	-1,644.14	930.23	1,888.98	0.00	0.00	0.00
3,200.00	54.71	152.03	2,294.85	-1,716.24	968.51	1,970.60	0.00	0.00	0.00
3,253.94	54.71	152.03	2,326.00	-1,755.12	989.16	2,014.62	0.00	0.00	0.00
Start Drop -3.00									
3,300.00	53.33	152.03	2,353.06	-1,788.04	1,006.64	2,051.89	3.00	-3.00	0.00
3,400.00	50.33	152.03	2,414.85	-1,857.48	1,043.51	2,130.49	3.00	-3.00	0.00
3,500.00	47.33	152.03	2,480.67	-1,923.96	1,078.81	2,205.75	3.00	-3.00	0.00
3,600.00	44.33	152.03	2,550.33	-1,987.30	1,112.45	2,277.46	3.00	-3.00	0.00
3,700.00	41.33	152.03	2,623.66	-2,047.34	1,144.33	2,345.43	3.00	-3.00	0.00
3,800.00	38.33	152.03	2,700.44	-2,103.91	1,174.36	2,409.46	3.00	-3.00	0.00
3,900.00	35.33	152.03	2,780.47	-2,156.85	1,202.47	2,469.40	3.00	-3.00	0.00
4,000.00	32.33	152.03	2,863.53	-2,206.02	1,228.58	2,525.06	3.00	-3.00	0.00
4,100.00	29.33	152.03	2,949.38	-2,251.28	1,252.62	2,576.30	3.00	-3.00	0.00
4,200.00	26.33	152.03	3,037.81	-2,292.52	1,274.51	2,622.97	3.00	-3.00	0.00
4,300.00	23.33	152.03	3,128.55	-2,329.60	1,294.21	2,664.96	3.00	-3.00	0.00
4,400.00	20.33	152.03	3,221.37	-2,362.45	1,311.64	2,702.14	3.00	-3.00	0.00

Scientific Drilling International
Planning Report

Database:	Rockies Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-40 - Slot A
Company:	OXY USA RMAT	TVD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Project:	Garfield County, CO NAD27	MD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Site:	Shell 797-03A Pad	North Reference:	True
Well:	Shell 797-03-40	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,500.00	17.33	152.03	3,316.00	-2,390.96	1,326.78	2,734.41	3.00	-3.00	0.00
4,600.00	14.33	152.03	3,412.20	-2,415.05	1,339.58	2,761.69	3.00	-3.00	0.00
4,700.00	11.33	152.03	3,509.69	-2,434.67	1,349.99	2,783.90	3.00	-3.00	0.00
4,800.00	8.33	152.03	3,608.21	-2,449.75	1,358.00	2,800.97	3.00	-3.00	0.00
4,900.00	5.33	152.03	3,707.48	-2,460.25	1,363.58	2,812.86	3.00	-3.00	0.00
5,000.00	2.33	152.03	3,807.25	-2,466.16	1,366.71	2,819.55	3.00	-3.00	0.00
5,077.77	0.00	0.00	3,885.00	-2,467.56	1,367.46	2,821.13	3.00	-3.00	-195.48
Start 0.00° Hold At 5077.77' - Mesaverde									
5,100.00	0.00	0.00	3,907.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,200.00	0.00	0.00	4,007.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,212.77	0.00	0.00	4,020.00	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
Base Ohio Creek									
5,300.00	0.00	0.00	4,107.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,400.00	0.00	0.00	4,207.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,500.00	0.00	0.00	4,307.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,600.00	0.00	0.00	4,407.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,700.00	0.00	0.00	4,507.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,800.00	0.00	0.00	4,607.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
5,900.00	0.00	0.00	4,707.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,000.00	0.00	0.00	4,807.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,047.77	0.00	0.00	4,855.00	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
TOG = 608394.87, 1238895.11									
6,100.00	0.00	0.00	4,907.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,200.00	0.00	0.00	5,007.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,300.00	0.00	0.00	5,107.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,400.00	0.00	0.00	5,207.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,500.00	0.00	0.00	5,307.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,600.00	0.00	0.00	5,407.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,700.00	0.00	0.00	5,507.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,800.00	0.00	0.00	5,607.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
6,900.00	0.00	0.00	5,707.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,000.00	0.00	0.00	5,807.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,100.00	0.00	0.00	5,907.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,158.77	0.00	0.00	5,966.00	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
Target = 608394.87, 1238895.11									
7,200.00	0.00	0.00	6,007.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,300.00	0.00	0.00	6,107.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,400.00	0.00	0.00	6,207.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,500.00	0.00	0.00	6,307.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,600.00	0.00	0.00	6,407.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,700.00	0.00	0.00	6,507.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,800.00	0.00	0.00	6,607.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
7,807.77	0.00	0.00	6,615.00	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
Rollins									
7,900.00	0.00	0.00	6,707.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
8,000.00	0.00	0.00	6,807.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
8,100.00	0.00	0.00	6,907.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
8,200.00	0.00	0.00	7,007.23	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
8,207.77	0.00	0.00	7,015.00	-2,467.56	1,367.46	2,821.13	0.00	0.00	0.00
PBHL = 608394.87, 1238895.11									

Scientific Drilling International
Planning Report

Database:	Rockies Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-40 - Slot A
Company:	OXY USA RMAT	TVD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Project:	Garfield County, CO NAD27	MD Reference:	GL 6485' & RKB 30' @ 6515.00ft (H&P)
Site:	Shell 797-03A Pad	North Reference:	True
Well:	Shell 797-03-40	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
Rev Shell 797-03-40 Tgt	0.00	0.00	5,966.00	-2,467.56	1,367.46	608,394.87	1,238,895.11	39° 28' 22.220 N	108° 11' 47.310 W
- plan hits target center									
- Circle (radius 50.00)									

Formations					
Measured Depth	Vertical Depth				
(ft)	(ft)	Name	Lithology	Dip	Dip Direction
				(°)	(°)
5,077.77	3,885.00	Mesaverde		0.00	
5,212.77	4,020.00	Base Ohio Creek		0.00	
7,807.77	6,615.00	Rollins		0.00	

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S	+E/-W		
		(ft)	(ft)	Comment	
150.00	150.00	0.00	0.00	Start Build 4.00	
650.00	639.91	-66.17	55.53	Start DLS 4.00 TFO 17.12	
1,533.18	1,332.02	-514.54	330.42	Start 54.71° Hold At 1533.18'	
3,253.94	2,326.00	-1,755.12	989.16	Start Drop -3.00	
5,077.77	3,885.00	-2,467.56	1,367.46	Start 0.00° Hold At 5077.77'	
6,047.77	4,855.00	-2,467.56	1,367.46	TOG = 608394.87, 1238895.11	
7,158.77	5,966.00	-2,467.56	1,367.46	Target = 608394.87, 1238895.11	
8,207.77	7,015.00	-2,467.56	1,367.46	PBHL = 608394.87, 1238895.11	