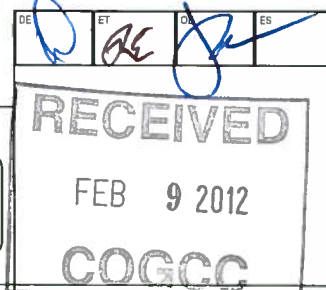


## SUNDRY NOTICE

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.)

Complete the Attachment  
Checklist

OP OGCC

1. OGCC Operator Number: 66571  
2. Name of Operator: OXY USA WTP LP, Attn: Glenda Jones  
3. Address: P.O. Box 27757  
City: Houston State: TX Zip: 77227-7757  
4. Contact Name: Joan Proulx  
Phone: 970-263-3641  
Fax: 970-263-3694

5. API Number: 05-045-21280-00  
6. Well/Facility Name: Shell  
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): Tract 71 S3 7S 97W 6 PM  
9. County: Garfield  
10. Field Name: Grand Valley  
11. Federal, Indian or State Lease Number: N/A

Survey Plat	X
Directional Survey	X
Surface Eqpm Diagram	
Technical Info Page	X
Other	

## General Notice

☒ 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:

Change of Surface Footage to Exterior Section Lines:

Change of Bottomhole Footage from Exterior Section Lines:

Change of Bottomhole Footage to Exterior Section Lines:

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

Is location in a High Density Area (rule 603b)?

Yes/No

Ground Elevation

Distance to nearest well same formation

Surface owner consultation date:

02/06/12

233' From  
TRACT 74

attach directional survey

## GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

☐ CHANGE SPACING UNIT

Formation

Formation Code

Spacing order number

Unit Acreage

Unit configuration

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):

Effective Date:

Plugging Bond: ☐ Blanket ☐ Individual☐ CHANGE WELL NAME

NUMBER

From:

To:

Effective Date:

☐ ABANDONED LOCATION:

Was location ever built?

☐ Yes☐ No

Is site ready for inspection?

☐ Yes☐ No

Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS

Date well shut in or temporarily abandoned:

Has Production Equipment been removed from site?

☐ Yes☐ No

MIT required if shut in longer than two years. Date of last MIT

☐ SPUD DATE:☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)☐ 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

☐ RECLAMATION:

Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately

☐

Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

☒ Notice of Intent

Approximate Start Date: 7/15/2012

☐ Report of Work Done

Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)☐ Request to Vent or Flare☐ E&P Waste Disposal☐ Change Drilling Plans☐ Repair Well☐ Beneficial Reuse of E&P Waste☐ Gross Interval Changed?☐ Rule 502 variance requested☐ Status Update/Change of Remediation Plans☒ Casing/Cementing Program Change☐ 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:

Date: 2/8/2012

Email: joan\_proulx@oxy.com

Print Name:

Joan Proulx

Title: Regulatory Analyst

COGCC Approved:

Title

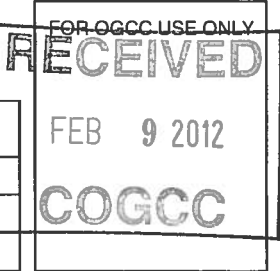
NWAE

Date:

2/27/12

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



1.	OGCC Operator Number:	66571	API Number:	05-045-21280-00
2.	Name of Operator:	OXY USA WTP LP	OGCC Facility ID #	
3.	Well/Facility Name:	Shell	Well/Facility Number:	797-03-21A
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 797-03-21A 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	7243	1686	7243	3674

There will be no change to the objective formation.

T7S, R97W, 6th P.M.

OXY USA WTP LP

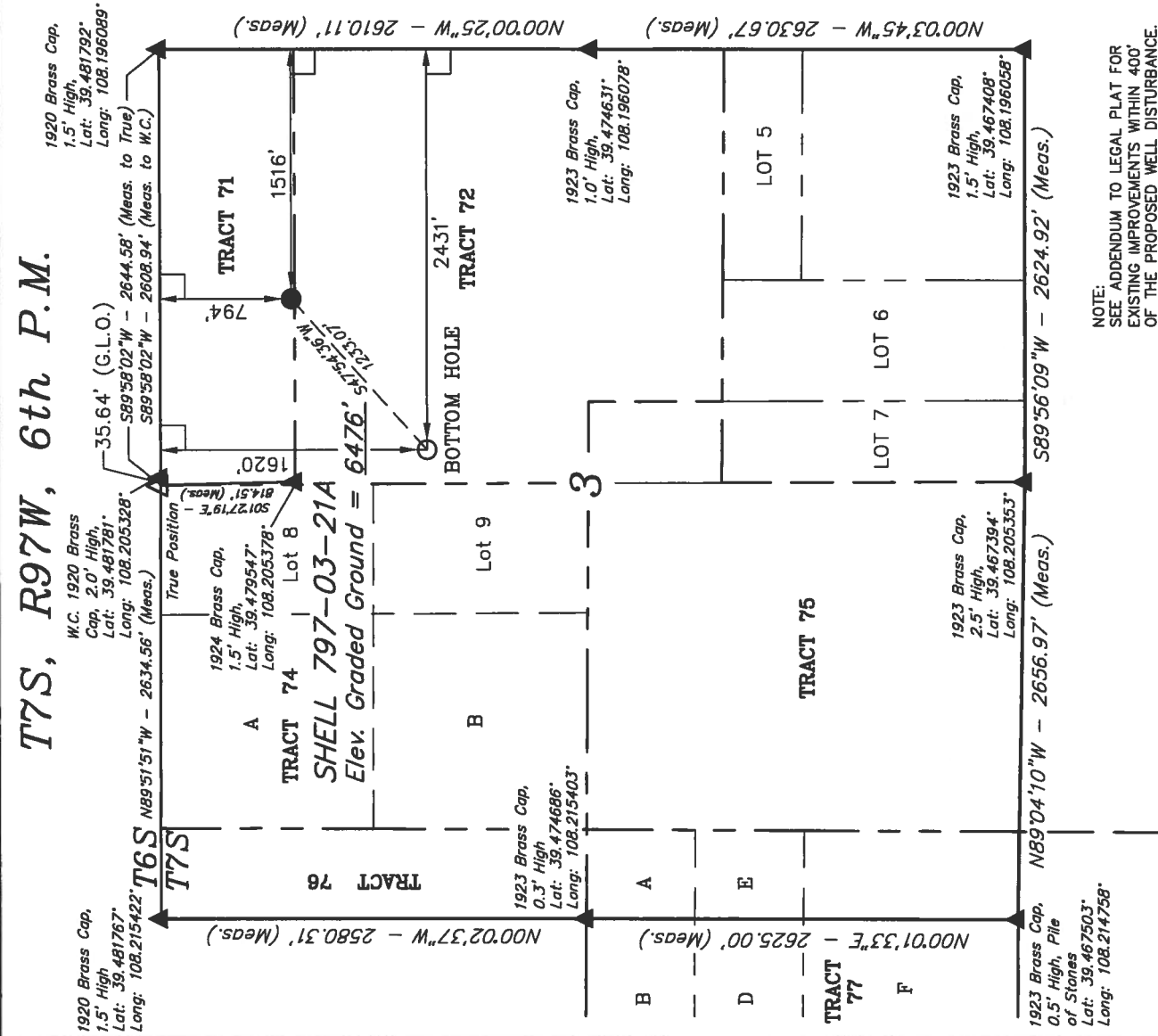
Well location, SHELL 797-03-21A, located as shown in TRACT 71 of Section 3, T7S, R97W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5966 FEET.

BASIS OF BEARINGS

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

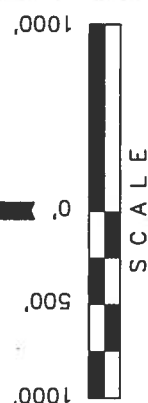


LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED

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

PDOP = 1.7	
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°28'38.33" (39.477314)	LATITUDE = 39°28'46.51" (39.479586)
LONGITUDE = 108°12'19.17" (108.205325)	LONGITUDE = 108°12'07.52" (108.202089)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°28'38.41" (39.477336)	LATITUDE = 39°28'46.59" (39.479608)
LONGITUDE = 108°12'16.88" (108.204689)	LONGITUDE = 108°12'05.23" (108.201453)



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM 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  
STATE OF COLORADO  
10-1-2011

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

UINTAH ENGINEERING & LAND SURVEYING

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

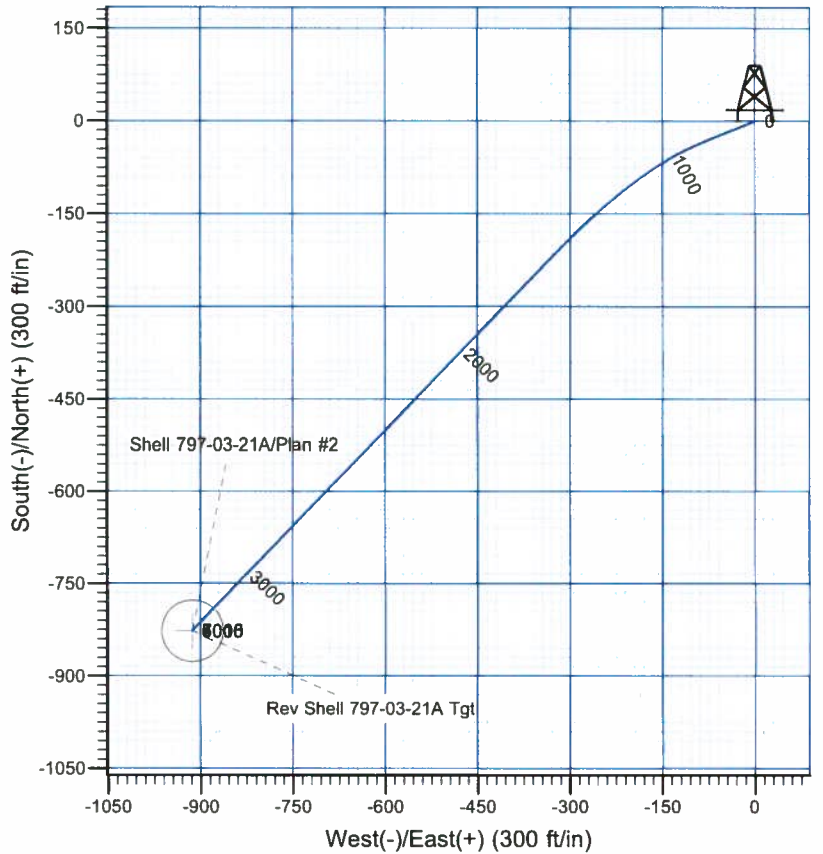
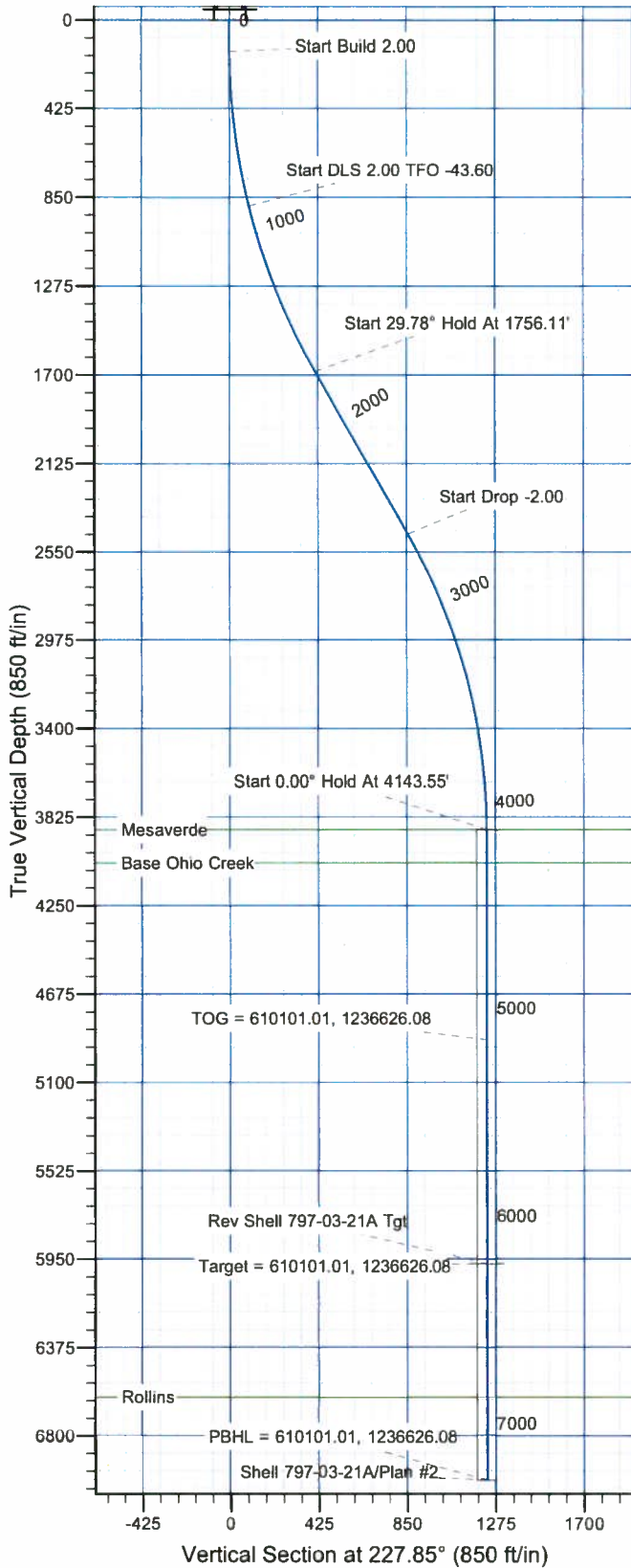
SCALE 1" = 1000'	DATE SURVEYED: 08-17-11	DATE DRAWN: 10-07-11
PARTY B.B. T.M. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE	
		OXY USA WTP LP



Well Details: Shell 797-03-21A

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 610900.70 1237564.16 39° 28' 46.586 N 108° 12' 5.225 W F

T M Azimuths to True North  
Magnetic North: 10.42°  
Magnetic Field  
Strength: 52191.8snT  
Dip Angle: 65.68°  
Date: 08/19/2011  
Model: IGRF2010



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3885.00	4143.55	Mesaverde
4045.00	4303.55	Base Ohio Creek
6615.00	6873.55	Rollins

Plan: Plan #2

11:47, January 19 2012  
Created By: Rex Hall

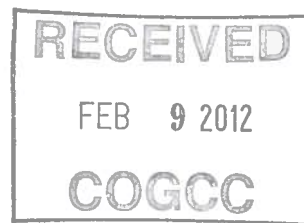
PROJECT DETAILS: Garfield County, CO NAD27

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	900.00	15.00	248.00	891.46	-36.57	-90.51	2.00	248.00	91.64	
4	1756.09	29.78	223.87	1682.34	-232.79	-342.44	2.00	-43.60	410.11	Rev Shell 797-03-21A Tgt
5	1756.11	29.78	223.87	1682.35	-232.80	-342.45	2.00	0.00	410.11	
6	2654.54	29.78	223.87	2462.13	-554.49	-651.70	0.00	0.00	855.27	
7	4143.55	0.00	0.00	3885.00	-827.23	-913.90	2.00	180.00	1232.69	
8	6231.55	0.00	0.00	5973.00	-827.23	-913.90	0.00	0.00	1232.69	Rev Shell 797-03-21A Tgt
9	7273.55	0.00	0.00	7015.00	-827.23	-913.90	0.00	0.00	1232.69	



# **OXY USA RMAT**

**Garfield County, CO NAD27**

**Shell 797-03A Pad**

**Shell 797-03-21A - Slot F**

**OH**

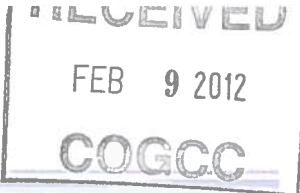
**Plan: Plan #2**

## **Standard Planning Report**

**19 January, 2012**



Scientific Drilling International  
Planning Report



Database:	Rockies Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-21A - Slot F
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 797-03-21A	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	Latitude:	39° 28' 46.610 N
From:	Lat/Long	Easting:	1,237,601.62 usft	Longitude:	108° 12' 4.748 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.70 °

Well	Shell 797-03-21A - Slot F					
Well Position	+N/-S	-2.41 ft	Northing:	610,900.70 usft	Latitude:	39° 28' 46.586 N
	+E/-W	-37.41 ft	Easting:	1,237,564.16 usft	Longitude:	108° 12' 5.225 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	6,485.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/19/11	10.42	65.68	52,192

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	227.85

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
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	
900.00	15.00	248.00	891.46	-36.57	-90.51	2.00	2.00	0.00	248.00	
1,756.09	29.78	223.87	1,682.34	-232.79	-342.44	2.00	1.73	-2.82	-43.60	Rev Shell 797-03-21A
1,756.11	29.78	223.87	1,682.35	-232.80	-342.45	2.00	2.00	0.00	0.00	
2,654.54	29.78	223.87	2,462.13	-554.49	-651.70	0.00	0.00	0.00	0.00	
4,143.55	0.00	0.00	3,885.00	-827.23	-913.90	2.00	-2.00	0.00	180.00	
6,231.55	0.00	0.00	5,973.00	-827.23	-913.90	0.00	0.00	0.00	0.00	Rev Shell 797-03-21A
7,273.55	0.00	0.00	7,015.00	-827.23	-913.90	0.00	0.00	0.00	0.00	

Scientific Drilling International  
Planning Report

Database:	Rockies Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-21A - Slot F
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 797-03-21A	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 2.00									
200.00	1.00	248.00	200.00	-0.16	-0.40	0.41	2.00	2.00	0.00
300.00	3.00	248.00	299.93	-1.47	-3.64	3.69	2.00	2.00	0.00
400.00	5.00	248.00	399.68	-4.08	-10.11	10.23	2.00	2.00	0.00
500.00	7.00	248.00	499.13	-8.00	-19.80	20.05	2.00	2.00	0.00
600.00	9.00	248.00	598.15	-13.21	-32.70	33.11	2.00	2.00	0.00
700.00	11.00	248.00	696.63	-19.72	-48.80	49.41	2.00	2.00	0.00
800.00	13.00	248.00	794.44	-27.51	-68.08	68.93	2.00	2.00	0.00
900.00	15.00	248.00	891.46	-36.57	-90.51	91.64	2.00	2.00	0.00
Start DLS 2.00 TFO -43.60									
1,000.00	16.50	243.14	987.71	-47.83	-115.18	117.49	2.00	1.50	-4.86
1,100.00	18.10	239.09	1,083.18	-62.23	-141.19	146.44	2.00	1.60	-4.05
1,200.00	19.77	235.70	1,177.77	-79.75	-168.49	178.43	2.00	1.67	-3.40
1,300.00	21.50	232.82	1,271.35	-100.36	-197.06	213.45	2.00	1.72	-2.88
1,400.00	23.26	230.35	1,363.82	-124.03	-226.87	251.43	2.00	1.77	-2.47
1,500.00	25.06	228.21	1,455.06	-150.75	-257.87	292.34	2.00	1.80	-2.13
1,600.00	26.89	226.35	1,544.95	-180.47	-290.02	336.13	2.00	1.83	-1.86
1,700.00	28.74	224.71	1,633.40	-213.17	-323.30	382.74	2.00	1.85	-1.64
1,756.09	29.78	223.87	1,682.34	-232.79	-342.44	410.11	2.00	1.86	-1.49
1,756.11	29.78	223.87	1,682.35	-232.80	-342.45	410.11	2.00	2.00	0.00
Start 29.78° Hold At 1756.11'									
1,800.00	29.78	223.87	1,720.44	-248.52	-357.56	431.86	0.00	0.00	0.00
1,900.00	29.78	223.87	1,807.24	-284.32	-391.98	481.41	0.00	0.00	0.00
2,000.00	29.78	223.87	1,894.03	-320.13	-426.40	530.96	0.00	0.00	0.00
2,100.00	29.78	223.87	1,980.83	-355.93	-460.82	580.50	0.00	0.00	0.00
2,200.00	29.78	223.87	2,067.62	-391.74	-495.24	630.05	0.00	0.00	0.00
2,300.00	29.78	223.87	2,154.41	-427.54	-529.66	679.60	0.00	0.00	0.00
2,400.00	29.78	223.87	2,241.21	-463.35	-564.08	729.15	0.00	0.00	0.00
2,500.00	29.78	223.87	2,328.00	-499.15	-598.50	778.69	0.00	0.00	0.00
2,600.00	29.78	223.87	2,414.79	-534.96	-632.92	828.24	0.00	0.00	0.00
2,654.54	29.78	223.87	2,462.13	-554.49	-651.70	855.27	0.00	0.00	0.00
Start Drop -2.00									
2,700.00	28.87	223.87	2,501.76	-570.54	-667.13	877.48	2.00	-2.00	0.00
2,800.00	26.87	223.87	2,590.16	-604.24	-699.52	924.11	2.00	-2.00	0.00
2,900.00	24.87	223.87	2,680.13	-635.69	-729.76	967.64	2.00	-2.00	0.00
3,000.00	22.87	223.87	2,771.58	-664.87	-757.81	1,008.01	2.00	-2.00	0.00
3,100.00	20.87	223.87	2,864.37	-691.72	-783.62	1,045.17	2.00	-2.00	0.00
3,200.00	18.87	223.87	2,958.41	-716.22	-807.18	1,079.07	2.00	-2.00	0.00
3,300.00	16.87	223.87	3,053.58	-738.34	-828.44	1,109.68	2.00	-2.00	0.00
3,400.00	14.87	223.87	3,149.77	-758.06	-847.40	1,136.96	2.00	-2.00	0.00
3,500.00	12.87	223.87	3,246.85	-775.34	-864.01	1,160.88	2.00	-2.00	0.00
3,600.00	10.87	223.87	3,344.70	-790.17	-878.27	1,181.40	2.00	-2.00	0.00
3,700.00	8.87	223.87	3,443.22	-802.53	-890.15	1,198.50	2.00	-2.00	0.00
3,800.00	6.87	223.87	3,542.27	-812.40	-899.64	1,212.16	2.00	-2.00	0.00
3,900.00	4.87	223.87	3,641.74	-819.77	-906.73	1,222.37	2.00	-2.00	0.00
4,000.00	2.87	223.87	3,741.51	-824.64	-911.40	1,229.10	2.00	-2.00	0.00
4,100.00	0.87	223.87	3,841.45	-826.99	-913.67	1,232.36	2.00	-2.00	0.00
4,143.55	0.00	0.00	3,885.00	-827.23	-913.90	1,232.69	2.00	-2.00	312.56
Start 0.00° Hold At 4143.55' - Mesaverde									
4,200.00	0.00	0.00	3,941.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00

Scientific Drilling International  
Planning Report

Database:	Rockies Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-21A - Slot F
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 797-03-21A	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)
4,300.00	0.00	0.00	4,041.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
4,303.55	0.00	0.00	4,045.00	-827.23	-913.90	1,232.69	0.00	0.00	0.00
Base Ohio Creek									
4,400.00	0.00	0.00	4,141.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
4,500.00	0.00	0.00	4,241.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
4,600.00	0.00	0.00	4,341.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
4,700.00	0.00	0.00	4,441.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
4,800.00	0.00	0.00	4,541.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
4,900.00	0.00	0.00	4,641.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,000.00	0.00	0.00	4,741.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,100.00	0.00	0.00	4,841.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,153.55	0.00	0.00	4,895.00	-827.23	-913.90	1,232.69	0.00	0.00	0.00
TOG = 610101.01, 1236626.08									
5,200.00	0.00	0.00	4,941.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,300.00	0.00	0.00	5,041.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,400.00	0.00	0.00	5,141.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,500.00	0.00	0.00	5,241.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,600.00	0.00	0.00	5,341.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,700.00	0.00	0.00	5,441.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,800.00	0.00	0.00	5,541.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
5,900.00	0.00	0.00	5,641.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,000.00	0.00	0.00	5,741.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,100.00	0.00	0.00	5,841.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,200.00	0.00	0.00	5,941.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,231.55	0.00	0.00	5,973.00	-827.23	-913.90	1,232.69	0.00	0.00	0.00
Target = 610101.01, 1236626.08									
6,300.00	0.00	0.00	6,041.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,400.00	0.00	0.00	6,141.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,500.00	0.00	0.00	6,241.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,600.00	0.00	0.00	6,341.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,700.00	0.00	0.00	6,441.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,800.00	0.00	0.00	6,541.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
6,873.55	0.00	0.00	6,615.00	-827.23	-913.90	1,232.69	0.00	0.00	0.00
Rollins									
6,900.00	0.00	0.00	6,641.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
7,000.00	0.00	0.00	6,741.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
7,100.00	0.00	0.00	6,841.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
7,200.00	0.00	0.00	6,941.45	-827.23	-913.90	1,232.69	0.00	0.00	0.00
7,273.55	0.00	0.00	7,015.00	-827.23	-913.90	1,232.69	0.00	0.00	0.00
PBHL = 610101.01, 1236626.08									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target - Shape									
Rev Shell 797-03-21A T1 - plan hits target center - Circle (radius 50.00)	0.00	0.00	5,973.00	-827.23	-913.90	610,101.01	1,236,626.08	39° 28' 38.410 N	108° 12' 16.880 W



Scientific Drilling International  
Planning Report

Database:	Rockies Compass Server	Local Co-ordinate Reference:	Well Shell 797-03-21A - Slot F
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 797-03-21A	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,143.55	3,885.00	Mesaverde		0.00		
4,303.55	4,045.00	Base Ohio Creek		0.00		
6,873.55	6,615.00	Rollins		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
150.00	150.00	0.00	0.00	Start Build 2.00	
900.00	891.46	-36.57	-90.51	Start DLS 2.00 TFO -43.60	
1,756.11	1,682.35	-232.80	-342.45	Start 29.78° Hold At 1756.11°	
2,654.54	2,462.13	-554.49	-651.70	Start Drop -2.00	
4,143.55	3,885.00	-827.23	-913.90	Start 0.00° Hold At 4143.55°	
5,153.55	4,895.00	-827.23	-913.90	TOG = 610101.01, 1236626.08	
6,231.55	5,973.00	-827.23	-913.90	Target = 610101.01, 1236626.08	
7,273.55	7,015.00	-827.23	-913.90	PBHL = 610101.01, 1236626.08	