Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO. 30-015-34438

5. Indicate Type of Lease
STATE ☐ FEE ☒

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Month - Year
JUN 1 2007
OCD - ARTESIA, NM

1a. Type of Well:
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name: USP FEE

2. Name of Operator: COG Operating LLC

8. Well No.: 002

3. Address of Operator: 550 W. Texas Ave., Suite 1300 Midland, TX 79701

9. Pool name or Wildcat: Laguna Salado; Atoka (Gas) 79860

4. Well Location
Unit Letter D : 319' Feet From The North Line and 946 Feet From The West Line
Section 16 Township 23S Range 29E NMPM Eddy County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
7-7-06	9-1-06	6-17-05 ???	2957' GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
12,370'	12,245'			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name: Atoka uneconomical to produce

20. Was Directional Survey Made: Yes

21. Type Electric and Other Logs Run: MICRO CFL / CN / HNGS

22. Was Well Cored: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	308	17-1/2	350 sx Cl C	Circ 120 sx to pit
9-5/8	40	2800	12-1/4	850 sx Cl C	Circ 198 sx to pit
7	26	10,690	8-3/4	1565 sx Cl H	Circ 227 sx to pit
4-1/2	13.5	12,341	8-3/4	285 sx Cl H	Circ 46 sx from liner top

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8	12,044'	

26. Perforation record (interval, size, and number)

12,158– 12,163 4 SPF-12'. 29 holes-OPEN
12,188– 12,200 4 SPF-12'. 49 holes-PLGD.CIBP @ 12,180
12,261–12,283 6 SPF-22'. 132 holes-PLGD.CIBP @ 12,245

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,158' - 12,163'	Acidize w/ 1000 gals acid & 1000 SCF N2
12,188' - 12,200'	Acidize w/ 2000 gal acid & 990 mcf nitrogen
12,261' - 12,283'	Acidize w/ 15,000 gal acid & 30 tons CO2.

28 PRODUCTION

Date First Production:

Production Method *(Flowing, gas lift, pumping - Size and type pump)*: NONE

Well Status *(Prod. or Shut-in)*: SI

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
	24						

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil – Bbl.	Gas – MCF	Water – Bbl.	Oil Gravity – API – *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

Test Witnessed By

30. List Attachments: C103, C102, Deviation Report, Directional Survey, C104, C116, Logs

31. *I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief*

Signature: Phyllis A. Edwards
Printed Name: Phyllis A. Edwards
Title: Regulatory Analyst
Date: 5-30-07
E-mail Address: pedwards@conchoresources.com

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. It 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	**T. Strawn 11,900**	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	**T. Atoka 12,137**	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T.Tubb	**T. Delaware Sand 2,910**	T.Todilto	T.
T. Drinkard	**T. Bone Springs 6,779**	T. Entrada	T.
T. Abo	**T. Morrow 12,310**	T. Wingate	T.
T. Wolfcamp 10,180	T.	T. Chinle	T.
T. Penn 10,522		T. Permian	T.
T. Cisco (Bough C)		T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, 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

OPERATOR COG Operating, LLC
WELL/LEASE USP Fee
COUNTY Eddy Co., N.M.

Month - Year
JUN 1 2007
OCD - ARTESIA, NM

056-0025

STATE OF NEW MEXICO
DEVIATION REPORT

147	1.25
469	1.75
743	0.50
1,252	1.75
1,442	1.25
1,632	1.50
1,822	1.75
2,011	1.75
2,202	1.75
2,390	2.00
2,581	1.50

BY: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on September 13, 2006, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges

Notary Public for Midland County, Texas
My Commission Expires: 4/08/07

JONI D. HODGES
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Expires 4-8-2007

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos 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

Month - Year
JUN 1 2007
OCD - ARTESIA, NM

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-34438	79860	Undes. Laguna Salado ; Atoka

4 Property Code	5 Property Name	6 Well Number
302644	USP FEE	2

7 OGRID No.	8 Operator Name	9 Elevation
229137	COG OPERATING LLC	2957

10 Surface Location

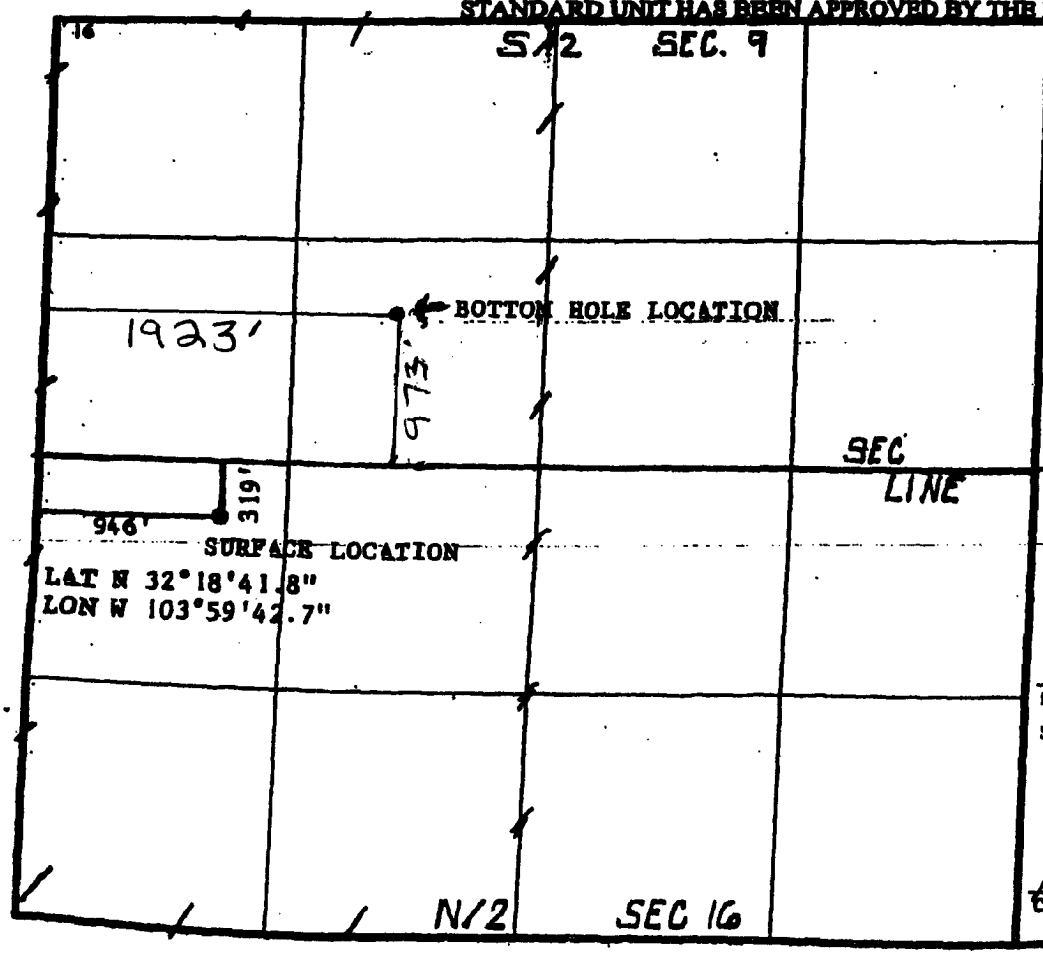
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	23-S	29-E		319	NORTH	946	WEST	EDDY

11 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
N	9	23-S	29-E		973	SOUTH	1923	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Phyllis A. Edwards

Phyllis A. Edwards
Printed Name

Regulatory Analyst
Title and E-mail Address

5-31-07
Date

18 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.

SEPTEMBER 27, 2005
Date of Survey

Signature and Seal of Professional Surveyor:

DAN M. REDDY
NEW MEXICO
5412
PROFESSIONAL SURVEYOR

Certificate Number DAN M. REDDY PLS #5412

Scientific Drilling

Month - Year
JAN 1 2007
OCD - ARTESIA, NM

COG RESOURCES

Field: USP
Site: Eddy County, NM
Well: USP Fee #2
Wellpath: VH - Job #32K0706563
Survey: 07/15/06

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

R. Wharton ..... Company Representative

Notorized this date 9th of August, 2006.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	COG RESOURCES	**Date:** 08/09/2006	**Time:** 17:13:29	**Page:**	1
Field:	USP	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	USP Fee #2	**Section (VS) Reference:**	Well (0.00N,0.00E,36.93Azi)		
Wellpath:	VH - Job #32K0706563	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	07/15/06 KSRG 0'-2922'	**Start Date:**	07/15/2006
Company:	Scientific Drilling Internatio	**Engineer:**	Madrid/Rehders
Tool:	Keeper;Keeper Gyro	**Tied-to:**	From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.87	163.49	100.00	-0.45	-0.73	0.22	0.87	0.76	163.49
200.00	1.05	172.18	199.98	-1.56	-2.36	0.56	0.23	2.43	166.76
300.00	1.01	187.35	299.97	-2.97	-4.15	0.57	0.27	4.18	172.20
400.00	0.94	180.71	399.95	-4.40	-5.84	0.45	0.13	5.86	175.64
500.00	0.82	189.47	499.94	-5.70	-7.37	0.32	0.18	7.37	177.53
600.00	1.12	200.61	599.93	-7.27	-8.99	-0.14	0.35	8.99	180.92
700.00	1.00	181.17	699.91	-8.92	-10.77	-0.51	0.38	10.79	182.69
800.00	0.95	193.33	799.89	-10.38	-12.45	-0.72	0.21	12.47	183.29
900.00	1.14	195.32	899.88	-12.07	-14.22	-1.17	0.19	14.27	184.70
1000.00	1.37	202.76	999.85	-14.15	-16.28	-1.89	0.28	16.39	186.64
1100.00	1.46	205.32	1099.82	-16.56	-18.53	-2.90	0.11	18.76	188.90
1200.00	1.31	204.18	1199.79	-18.92	-20.73	-3.91	0.15	21.10	190.70
1300.00	1.43	203.17	1299.77	-21.25	-22.92	-4.87	0.12	23.43	192.01
1400.00	1.21	210.66	1399.74	-23.51	-24.97	-5.90	0.28	25.66	193.30
1500.00	1.27	209.04	1499.72	-25.66	-26.85	-6.98	0.07	27.74	194.57
1600.00	1.02	199.12	1599.70	-27.60	-28.66	-7.81	0.32	29.71	195.24
1700.00	1.19	208.64	1699.68	-29.48	-30.41	-8.60	0.25	31.61	195.79
1800.00	1.68	205.18	1799.65	-31.94	-32.65	-9.72	0.50	34.07	196.58
1900.00	1.99	211.67	1899.59	-35.10	-35.46	-11.26	0.37	37.20	197.61
2000.00	1.97	219.09	1999.53	-38.55	-38.27	-13.25	0.26	40.50	199.10
2100.00	1.72	205.44	2099.48	-41.74	-40.96	-14.98	0.50	43.61	200.09
2200.00	1.50	188.57	2199.44	-44.36	-43.61	-15.82	0.52	46.39	199.94
2300.00	1.47	159.84	2299.41	-46.21	-46.10	-15.57	0.74	48.66	198.66
2400.00	1.33	160.78	2399.38	-47.55	-48.40	-14.75	0.14	50.60	196.94
2500.00	1.77	163.90	2499.35	-49.13	-50.98	-13.94	0.45	52.85	195.29
2600.00	1.81	162.13	2599.30	-50.97	-53.97	-13.02	0.07	55.52	193.57
2700.00	1.99	149.50	2699.24	-52.55	-56.97	-11.66	0.45	58.15	191.57
2800.00	1.87	172.36	2799.19	-54.37	-60.08	-10.56	0.77	61.00	189.97
2900.00	1.23	220.40	2899.15	-56.61	-62.52	-11.04	1.39	63.48	190.01
2922.00	1.23	220.38	2921.15	-57.08	-62.88	-11.35	0.00	63.89	190.23

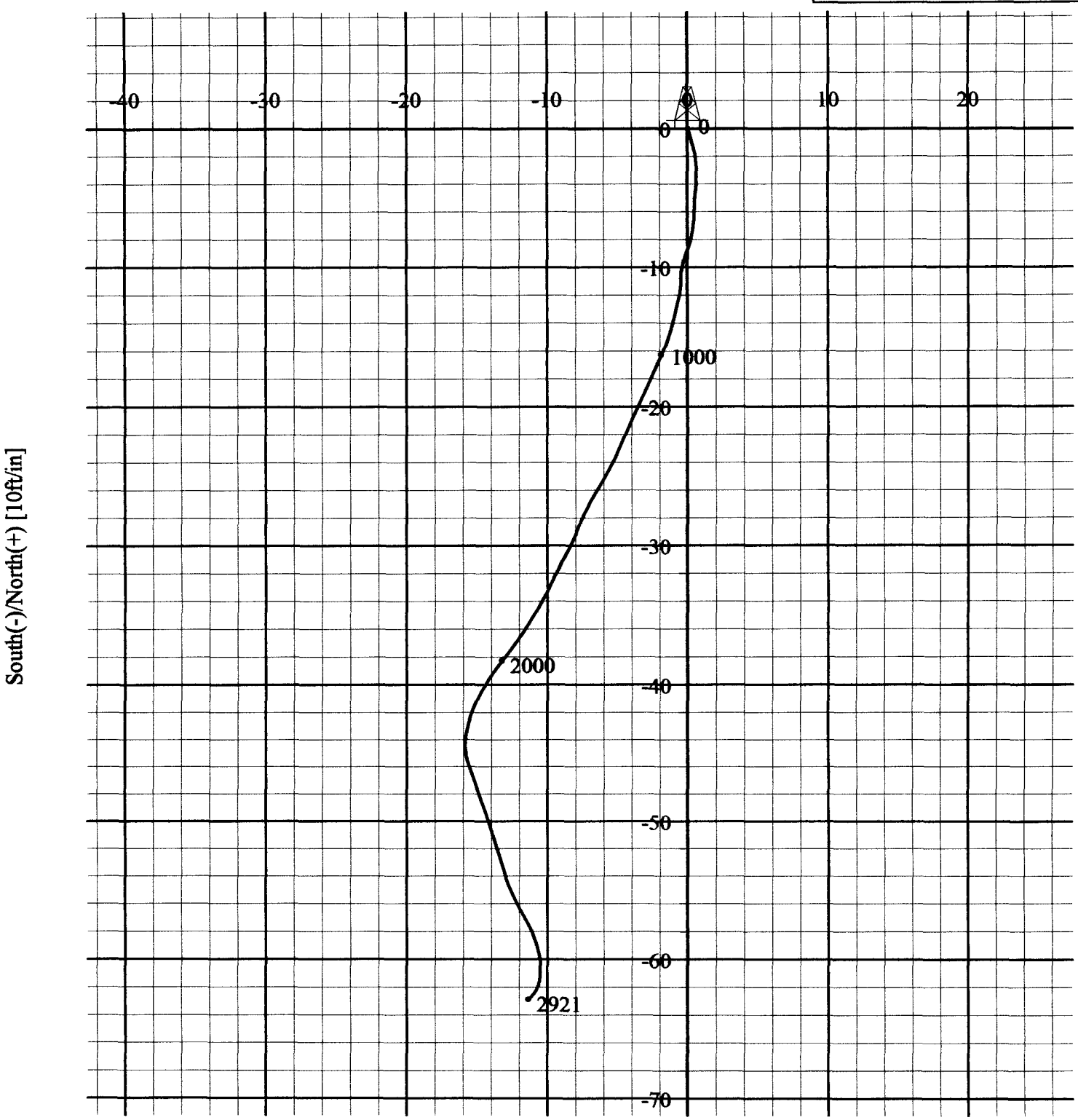
Scientific Drilling

Field: USP
Site: Eddy County, NM
Well: USP Fee #2
Wellpath: VH - Job #32K0706563
Survey: 07/15/06

G/T/M

Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 08/09/2006
Model: igrf2000



Actual Wellpath Report

Actual Wellpath

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Concho O&G**	Slot	**SHL**
Area	**Eddy County, NM**	Well	**USP FEE #2**
Field	**Undes. Laguna Salado; Atoka**	Wellbore	**Actual Wellbore Surveys**
Facility	**USP FEE**		

REPORT SETUP INFORMATION			
Projection System	**NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet**	Software System	**WellArchitect™ 1.2**
North Reference	**Grid**	User	**GomeOscR**
Scale	**0.999922**	Report Generated	**05/30/07 at 16:47:59**
Wellbore last revised	**07/17/06**	Database/Source file	**WA_Midland/Actual_V**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	**East [feet]**	**Easting [US feet]**	**Northing [US feet]**	**Latitude [°]**	**Longitude [°]**
Slot Location	**0.00**	**0.00**	604465.48	477245.45	32 18 41.800N	103 59 42.700W
Facility Reference Pt			604465.48	477245.45	**32 18 41.800N**	**103 59 42.700W**
Field Reference Pt			604465.48	477245.45	**32 18 41.800N**	**103 59 42.700W**

WELLPATH DATUM			
Calculation method	**Minimum curvature**	Rig on Directional Profile (RT) to Facility Vertical Datum	**0.00 feet**
Horizontal Reference Pt	**Facility Center**	Rig on Directional Profile (RT) to RKB	**0.00 feet**
Vertical Reference Pt	**Rig on Directional Profile (RT)**	Facility Vertical Datum to Mud Line (Facility)	**0.00 feet**
MD Reference Pt	**Rig on Directional Profile (RT)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**RKB**	Section Azimuth	**36.93°**

Actual Wellpath Report

Actual Wellpath

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Concho O&G**	Slot	**SHL**
Area	**Eddy County, NM**	Well	**USP FEE #2**
Field	**Undes. Laguna Salado; Atoka**	Wellbore	**Actual Wellbore Surveys**
Facility	**USP FEE**		

WELLPATH DATA (191 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Path Comment
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	
100.00	0.870	163.490	100.00	-0.45	-0.73	0.22	0.87	
200.00	1.050	172.180	199.98	-1.56	-2.36	0.56	0.23	
300.00	1.010	187.350	299.97	-2.97	-4.15	0.57	0.27	
400.00	0.940	180.710	399.95	-4.40	-5.84	0.45	0.13	
500.00	0.820	189.470	499.94	-5.70	-7.37	0.32	0.18	
600.00	1.120	200.610	599.93	-7.27	-8.99	-0.14	0.35	
700.00	1.000	181.170	699.91	-8.92	-10.77	-0.51	0.38	
800.00	0.950	193.330	799.89	-10.38	-12.45	-0.72	0.21	
900.00	1.140	195.320	899.88	-12.07	-14.22	-1.17	0.19	
1000.00	1.370	202.760	999.85	-14.15	-16.28	-1.89	0.28	
1100.00	1.460	205.320	1099.82	-16.56	-18.53	-2.90	0.11	
1200.00	1.310	204.180	1199.79	-18.92	-20.73	-3.91	0.15	
1300.00	1.430	203.170	1299.77	-21.25	-22.92	-4.87	0.12	
1400.00	1.210	210.660	1399.74	-23.51	-24.97	-5.90	0.28	
1500.00	1.270	209.040	1499.72	-25.66	-26.85	-6.98	0.07	
1600.00	1.020	199.120	1599.70	-27.60	-28.66	-7.81	0.32	
1700.00	1.190	208.640	1699.68	-29.48	-30.41	-8.60	0.25	
1800.00	1.680	205.180	1799.65	-31.94	-32.65	-9.72	0.50	
1900.00	1.990	211.670	1899.59	-35.10	-35.46	-11.26	0.37	
2000.00	1.970	219.090	1999.53	-38.55	-38.27	-13.25	0.26	
2100.00	1.720	205.440	2099.48	-41.74	-40.96	-14.98	0.50	
2200.00	1.500	188.570	2199.44	-44.36	-43.61	-15.82	0.52	
2300.00	1.470	159.840	2299.41	-46.21	-46.10	-15.57	0.74	
2400.00	1.330	160.780	2399.38	-47.55	-48.40	-14.75	0.14	
2500.00	1.770	163.900	2499.35	-49.13	-50.98	-13.94	0.45	
2600.00	1.810	162.130	2599.30	-50.97	-53.97	-13.02	0.07	
2700.00	1.990	149.500	2699.24	-52.55	-56.97	-11.66	0.45	
2800.00	1.870	172.360	2799.19	-54.37	-60.08	-10.56	0.77	
2900.00	1.230	220.400	2899.15	-56.61	-62.52	-11.04	1.39	
2922.00	1.230	220.380	2921.15	-57.08	-62.88	-11.35	0.00	
2975.00	0.800	229.700	2974.14	-58.01	-63.55	-12.00	0.87	
3007.00	0.100	38.800	3006.14	-58.20	-63.67	-12.15	2.81	
3039.00	1.100	40.900	3038.14	-57.86	-63.42	-11.93	3.13	
3070.00	2.200	40.900	3069.12	-56.97	-62.74	-11.35	3.55	
3102.00	3.300	37.400	3101.09	-55.44	-61.55	-10.38	3.48	
3132.00	4.400	37.100	3131.02	-53.42	-59.94	-9.17	3.67	
3163.00	5.500	35.000	3161.90	-50.75	-57.78	-7.60	3.60	
3195.00	6.600	32.800	3193.72	-47.38	-54.98	-5.72	3.51	
3226.00	7.700	31.100	3224.48	-43.54	-51.70	-3.68	3.61	

Actual Wellpath Report

Actual Wellpath

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Concho O&G**	Slot	**SHL**
Area	**Eddy County, NM**	Well	**USP FEE #2**
Field	**Undes. Laguna Salado; Atoka**	Wellbore	**Actual Wellbore Surveys**
Facility	**USP FEE**		

WELLPATH DATA (191 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Path Comment
3257.00	8.800	31.400	3255.16	-39.11	-47.90	-1.37	3.55	
3289.00	9.800	33.500	3286.74	-33.96	-43.54	1.40	3.30	
3321.00	10.800	34.900	3318.22	-28.24	-38.81	4.62	3.22	
3353.00	12.000	35.600	3349.59	-21.92	-33.64	8.27	3.77	
3385.00	13.100	36.700	3380.83	-14.97	-28.03	12.38	3.52	
3417.00	14.200	37.400	3411.92	-7.42	-22.01	16.93	3.48	
3448.00	15.300	37.400	3441.90	0.47	-15.74	21.72	3.55	
3478.00	16.300	37.800	3470.77	8.64	-9.26	26.71	3.35	
3510.00	17.300	38.100	3501.40	17.89	-1.97	32.40	3.14	
3572.00	19.400	37.100	3560.24	37.40	13.50	44.30	3.42	
3666.00	20.100	35.300	3648.72	69.16	39.13	63.05	0.99	
3728.00	20.200	34.200	3706.92	90.50	56.68	75.22	0.63	
3793.00	20.600	33.500	3767.84	113.13	75.50	87.84	0.72	
3856.00	20.000	32.800	3826.93	134.94	93.79	99.79	1.03	
3919.00	20.500	32.500	3886.04	156.68	112.15	111.56	0.81	
3983.00	20.100	32.500	3946.06	178.82	130.88	123.49	0.63	
4044.00	19.500	33.500	4003.46	199.43	148.21	134.74	1.13	
4107.00	19.100	35.300	4062.92	220.23	165.39	146.50	1.14	
4168.00	19.200	34.200	4120.54	240.23	181.83	157.90	0.61	
4230.00	19.400	33.900	4179.06	260.69	198.81	169.38	0.36	
4292.00	19.900	34.200	4237.44	281.52	216.09	181.05	0.82	
4353.00	19.600	34.600	4294.86	302.11	233.09	192.70	0.54	
4414.00	19.200	36.000	4352.39	322.36	249.63	204.40	1.01	
4476.00	18.700	36.000	4411.03	342.49	265.92	216.24	0.81	
4542.00	19.000	36.000	4473.49	363.81	283.17	228.77	0.45	
4603.00	19.300	35.300	4531.12	383.82	299.43	240.43	0.62	
4665.00	19.000	36.300	4589.69	404.15	315.93	252.33	0.72	
4724.00	19.200	36.300	4645.44	423.46	331.49	263.76	0.34	
4816.00	19.200	35.600	4732.32	453.71	355.98	281.52	0.25	
4909.00	18.500	34.900	4820.33	483.74	380.51	298.86	0.79	
5004.00	19.100	34.200	4910.26	514.33	405.73	316.22	0.67	
5096.00	17.900	34.200	4997.51	543.49	429.88	332.63	1.30	
5187.00	18.300	35.600	5084.01	571.74	453.06	348.81	0.65	
5279.00	17.900	37.100	5171.45	600.32	476.08	365.75	0.67	
5371.00	18.100	36.000	5258.95	628.75	498.92	382.67	0.43	
5463.00	18.200	34.900	5346.37	657.39	522.26	399.29	0.39	
5555.00	18.100	37.100	5433.80	686.04	545.45	416.14	0.75	
5647.00	18.500	34.600	5521.15	714.92	568.86	433.04	0.96	
5739.00	18.500	37.000	5608.39	744.10	592.53	450.12	0.83	
5830.00	19.100	34.900	5694.54	773.42	616.27	467.32	0.99	

Actual Wellpath Report

Actual Wellpath

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Concho O&G**	Slot	**SHL**
Area	**Eddy County, NM**	Well	**USP FEE #2**
Field	**Undes. Laguna Salado; Atoka**	Wellbore	**Actual Wellbore Surveys**
Facility	**USP FEE**		

WELLPATH DATA (191 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Path Comment
5924.00	19.300	36.300	5783.31	804.32	641.40	485.32	0.53	
6017.00	19.400	35.600	5871.06	835.13	666.35	503.41	0.27	
6110.00	19.200	37.400	5958.83	865.86	691.06	521.69	0.67	
6140.00	19.300	38.100	5987.15	875.75	698.88	527.74	0.84	
6171.00	19.200	37.400	6016.42	885.97	706.96	534.00	0.81	
6202.00	18.600	37.400	6045.75	896.01	714.94	540.10	1.94	
6234.00	17.800	37.400	6076.15	906.01	722.88	546.17	2.50	
6264.00	16.900	37.400	6104.78	914.95	729.98	551.61	3.00	
6295.00	16.300	36.000	6134.49	923.81	737.08	556.90	2.33	
6326.00	15.200	36.000	6164.33	932.22	743.89	561.85	3.55	
6358.00	14.100	35.600	6195.29	940.31	750.45	566.58	3.45	
6389.00	13.100	36.300	6225.42	947.60	756.35	570.86	3.27	
6419.00	12.400	36.300	6254.68	954.22	761.69	574.78	2.33	
6450.00	11.200	36.300	6285.02	960.56	766.80	578.53	3.87	
6482.00	10.100	36.000	6316.47	966.47	771.57	582.02	3.44	
6512.00	9.100	35.600	6346.05	971.47	775.63	584.95	3.34	
6543.00	8.300	36.700	6376.69	976.16	779.42	587.71	2.64	
6574.00	8.300	36.000	6407.37	980.64	783.02	590.36	0.33	
6605.00	7.200	36.000	6438.08	984.82	786.40	592.82	3.55	
6636.00	6.100	36.700	6468.87	988.41	789.30	594.95	3.56	
6698.00	5.500	37.100	6530.56	994.67	794.31	598.71	0.97	
6760.00	5.900	31.400	6592.25	1000.82	799.40	602.16	1.12	
6821.00	6.100	28.900	6652.92	1007.15	804.91	605.36	0.54	
6914.00	5.300	30.000	6745.46	1016.30	812.96	609.90	0.87	
6977.00	5.800	30.700	6808.16	1022.36	818.21	612.98	0.80	
7038.00	6.200	30.000	6868.83	1028.69	823.72	616.20	0.67	
7101.00	6.000	28.300	6931.47	1035.32	829.56	619.46	0.43	
7163.00	5.400	25.800	6993.16	1041.39	835.04	622.26	1.05	
7227.00	5.700	26.200	7056.86	1047.47	840.60	624.98	0.47	
7287.00	6.500	29.000	7116.52	1053.76	846.25	627.94	1.42	
7350.00	6.700	32.500	7179.10	1060.95	852.47	631.64	0.71	
7413.00	6.700	33.900	7241.67	1068.29	858.62	635.67	0.26	
7474.00	6.700	34.200	7302.26	1075.39	864.51	639.65	0.06	
7535.00	6.200	34.900	7362.87	1082.24	870.16	643.54	0.83	
7597.00	5.800	33.900	7424.53	1088.72	875.50	647.20	0.67	
7658.00	6.000	37.000	7485.21	1094.98	880.61	650.84	0.62	
7718.00	6.600	37.000	7544.85	1101.57	885.87	654.80	1.00	
7779.00	6.800	39.500	7605.43	1108.68	891.45	659.21	0.58	
7841.00	6.900	39.900	7666.99	1116.06	897.14	663.93	0.18	
7903.00	6.900	40.200	7728.54	1123.50	902.84	668.72	0.06	

Actual Wellpath Report

Actual Wellpath

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Concho O&G**	Slot	**SHL**
Area	**Eddy County, NM**	Well	**USP FEE #2**
Field	**Undes. Laguna Salado; Atoka**	Wellbore	**Actual Wellbore Surveys**
Facility	**USP FEE**		

WELLPATH DATA (191 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Path Comment
7964.00	7.100	38.100	7789.08	1130.93	908.61	673.42	0.53	
8027.00	7.000	36.300	7851.61	1138.66	914.77	678.09	0.38	
8091.00	6.700	36.300	7915.15	1146.29	920.92	682.61	0.47	
8153.00	6.900	35.600	7976.71	1153.63	926.86	686.92	0.35	
8216.00	6.800	37.400	8039.26	1161.15	932.90	691.39	0.38	
8277.00	6.600	37.800	8099.85	1168.26	938.54	695.73	0.34	
8338.00	6.200	35.300	8160.47	1175.06	944.00	699.78	0.80	
8400.00	6.400	37.400	8222.09	1181.86	949.48	703.81	0.49	
8463.00	6.300	38.800	8284.71	1188.83	954.96	708.11	0.29	
8524.00	6.500	35.300	8345.33	1195.63	960.39	712.21	0.72	
8588.00	7.000	34.600	8408.88	1203.14	966.55	716.51	0.79	
8649.00	6.900	36.700	8469.43	1210.52	972.55	720.81	0.45	
8710.00	6.800	36.300	8530.00	1217.80	978.40	725.14	0.18	
8773.00	6.700	34.600	8592.56	1225.20	984.43	729.44	0.35	
8832.00	6.800	38.100	8651.15	1232.13	990.01	733.55	0.72	
8892.00	7.000	40.200	8710.72	1239.33	995.60	738.10	0.54	
8954.00	7.000	39.500	8772.26	1246.88	1001.40	742.94	0.14	
9014.00	7.100	38.800	8831.80	1254.24	1007.11	747.59	0.22	
9075.00	6.700	41.300	8892.36	1261.55	1012.72	752.30	0.82	
9136.00	6.400	40.200	8952.96	1268.49	1017.99	756.84	0.53	
9194.00	6.000	26.100	9010.63	1274.70	1023.18	760.26	2.71	
9258.00	5.900	14.900	9074.29	1281.03	1029.37	762.58	1.82	
9321.00	7.600	12.400	9136.85	1287.83	1036.57	764.31	2.74	
9384.00	8.300	25.800	9199.25	1296.08	1044.73	767.18	3.14	
9446.00	8.100	38.800	9260.62	1304.84	1052.16	771.87	3.00	
9509.00	8.100	40.600	9322.99	1313.70	1058.99	777.54	0.40	
9572.00	7.600	37.800	9385.40	1322.30	1065.65	782.98	1.00	
9636.00	6.300	37.800	9448.93	1330.04	1071.77	787.72	2.03	
9700.00	5.500	37.800	9512.59	1336.62	1076.97	791.76	1.25	
9763.00	5.600	48.600	9575.29	1342.65	1081.39	795.91	1.66	
9826.00	6.000	49.700	9637.97	1348.87	1085.55	800.73	0.66	
9890.00	6.100	44.400	9701.62	1355.50	1090.14	805.66	0.89	
9952.00	6.200	42.700	9763.26	1362.10	1094.96	810.24	0.34	
10015.00	6.700	39.500	9825.86	1369.15	1100.30	814.88	0.98	
10078.00	6.200	39.200	9888.46	1376.23	1105.77	819.37	0.80	
10165.00	5.600	43.000	9975.00	1385.14	1112.51	825.23	0.82	
10228.00	5.600	44.100	10037.70	1391.25	1116.97	829.47	0.17	
10291.00	5.500	43.000	10100.40	1397.30	1121.38	833.67	0.23	
10354.00	5.500	38.800	10163.11	1403.32	1125.94	837.62	0.64	
10417.00	5.800	38.500	10225.81	1409.52	1130.79	841.49	0.48	

Actual Wellpath Report

Actual Wellpath

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Concho O&G**	Slot	**SHL**
Area	**Eddy County, NM**	Well	**USP FEE #2**
Field	**Undes. Laguna Salado; Atoka**	Wellbore	**Actual Wellbore Surveys**
Facility	**USP FEE**		

WELLPATH DATA (191 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Path Comment
10480.00	6.100	38.100	10288.47	1416.05	1135.91	845.54	0.48	
10575.00	6.700	37.400	10382.88	1426.64	1144.29	852.02	0.64	
10606.00	6.900	39.500	10413.66	1430.30	1147.16	854.30	1.03	
10699.00	5.300	46.000	10506.13	1440.13	1154.46	860.94	1.87	
10765.00	6.000	41.600	10571.81	1446.58	1159.15	865.43	1.25	
10829.00	6.100	40.200	10635.45	1453.30	1164.25	869.84	0.28	
10889.00	6.200	46.900	10695.11	1459.68	1168.90	874.27	1.21	
10952.00	6.900	46.200	10757.70	1466.76	1173.85	879.48	1.12	
11016.00	6.900	44.400	10821.23	1474.37	1179.25	884.95	0.34	
11079.00	7.300	41.300	10883.75	1482.11	1184.96	890.24	0.88	
11142.00	7.300	39.200	10946.24	1490.10	1191.07	895.41	0.42	
11205.00	7.000	36.300	11008.75	1497.94	1197.27	900.21	0.74	
11268.00	6.500	36.000	11071.31	1505.35	1203.25	904.58	0.80	
11331.00	6.400	33.900	11133.91	1512.42	1209.05	908.63	0.41	
11395.00	5.800	33.500	11197.55	1519.21	1214.70	912.41	0.94	
11458.00	5.200	27.900	11260.26	1525.20	1219.88	915.50	1.28	
11520.00	4.600	32.100	11322.03	1530.46	1224.47	918.14	1.13	
11583.00	5.400	44.100	11384.80	1535.92	1228.74	921.54	2.08	
11646.00	5.000	43.700	11447.54	1541.58	1232.85	925.50	0.64	
11709.00	5.000	42.700	11510.30	1547.04	1236.86	929.26	0.14	
11773.00	5.500	44.400	11574.03	1552.86	1241.10	933.30	0.82	
11836.00	6.600	34.200	11636.68	1559.47	1246.25	937.44	2.43	
11899.00	7.400	33.500	11699.21	1567.13	1252.63	941.72	1.28	
11962.00	7.000	35.600	11761.71	1575.02	1259.13	946.19	0.76	
12025.00	7.100	34.200	11824.24	1582.75	1265.47	950.62	0.32	
12088.00	6.900	33.200	11886.77	1590.41	1271.86	954.88	0.37	
12151.00	6.100	36.000	11949.36	1597.54	1277.73	958.92	1.37	
12246.00	6.200	38.500	12043.81	1607.71	1285.83	965.08	0.30	
12320.00	6.300	35.300	12117.37	1615.76	1292.27	969.91	0.49	
12370.00	6.300	35.300	12167.07	1621.25	1296.75	973.08	0.00	Projection to Bit from last Baker Survey@12,320'
12433.00	6.300	35.300	12229.69	1628.16	1302.39	977.08	0.00	Projection

WELLPATH COMPOSITION Ref Wellbore: Actual Wellbore Surveys Ref Wellpath: Actual Wellpath

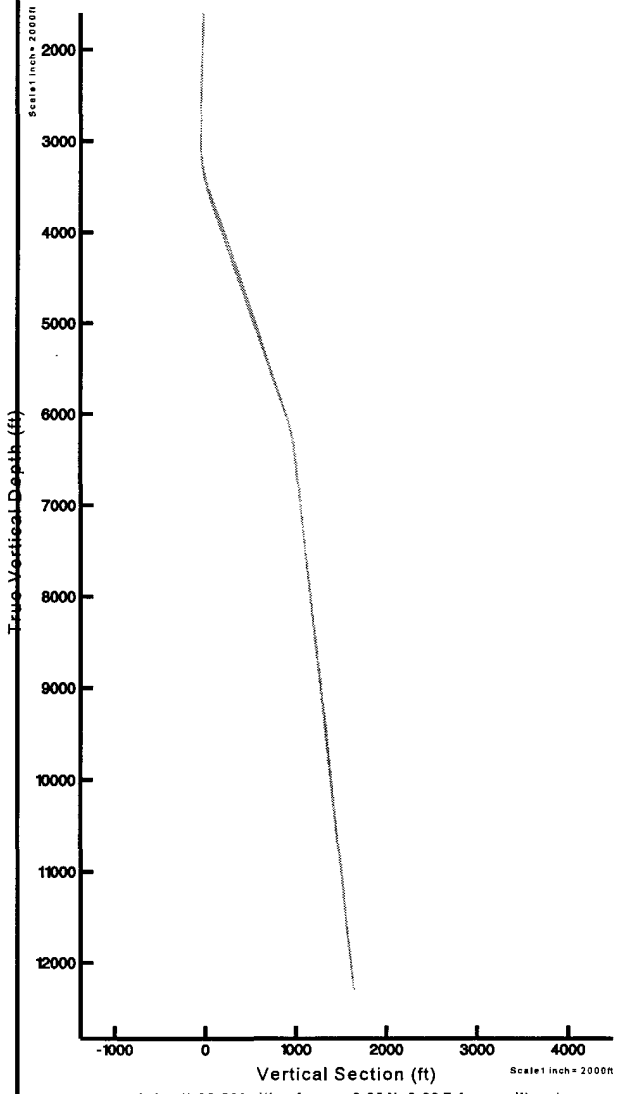
Start MD [feet]	End MD [feet]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	2922.00	Generic gyro - northseeking (Standard)	Gyro 0'-2922	Actual Wellbore Surveys
2922.00	12433.00	NaviTrak (Standard)	MWD 2922'-	Actual Wellbore Surveys

Concho O&G

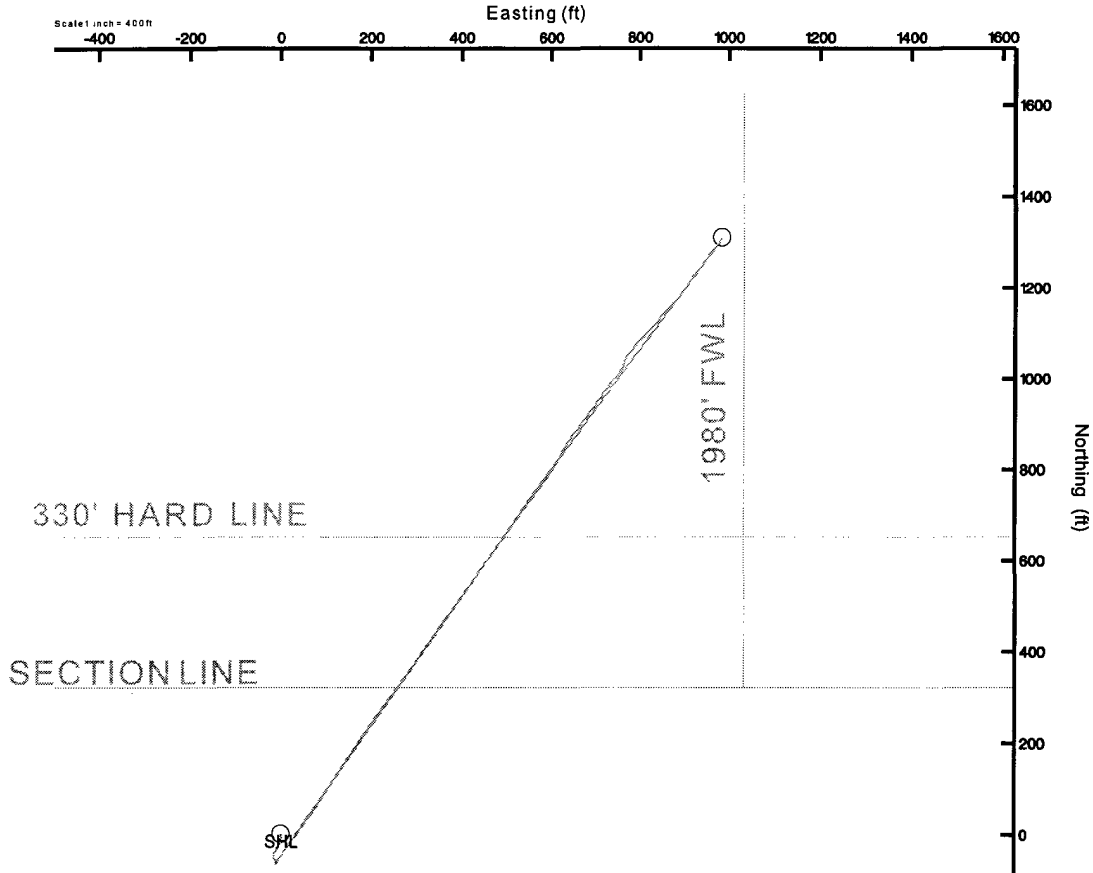
Location: Eddy County, NM
Field: Undes. Laguna Salado; Atoka
Facility: USP FEE

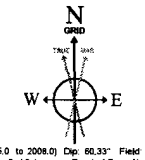
Slot: SHL
Well: USP FEE #2
Wellbore: Actual Wellbore Surveys

BAKER HUGHES
INTEQ



Azimuth 36.93° with reference 0.00 N, 0.00 E from wellhead





BGGM (1945.0 to 2008.0) Dip: 60.33° Field: 49192.4 nT
Magnetic North is 8.40 degrees East of True North (at 06/13/08)
Grid North is 0.18 degrees East of True North
To correct azimuth from True to Grid subtract 0.18 degrees
To correct azimuth from Magnetic to Grid add 8.22 degrees