

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
Other _____

2. Name of Operator
Ricks Exploration, Inc.

3. Address
550 West Texas Avenue, Suite 1300, Midland, TX 79701

3.a. Phone No. (Include area code)
(432) 885-4378

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 1961' FNL & 2113' FWL

At top prod. interval reported below 1961' FNL & 2113' FWL

At total depth 1961' FNL & 2113' FWL 772 S 1752 W

14. Date Spudded

03/26/2003

15. Date T.D. Reached

05/10/2003

16. Date Completed

☐ D & A ☒ Ready to Prod.

06/22/2003

5. Lease Serial No.
NM 9545

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

Federal "AA" 2

9. API Well No.

30-015-32575

10. Field and Pool, or Exploratory

Happy Valley; Morrow

11. Sec., T., R., M., on Block and

Survey or Area Sec. 17, T22S, R26E

12. County or Parish

Eddy

13. State

New Mexico

17. Elevations (DF, RKB, RT, GL)*

3654'

18. Total Depth: MD 12385
TVD 12385

19. Plug Back T.D.: MD 11870
TVD 11870

20. Depth Bridge Plug Set: MD 11870
TVD 11870

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
HR/LA; GR

22. Was well cored? ☐ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48#	0	690'		850sx		surface	
12 1/4	9 5/8	40#		2594		1150sx		Circ.	
8 3/4	5 1/2	17#		12385		2241sx			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	11,642	11,601						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
1) Morrow	11775	11792	Morrow	11906	12203	CIBP 11870
2) Morrow			Morrow	11775	11792	open
3)						
4)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11775 - 11792	Acidized w/3000 gals 7 1/2% Morrow blend acid + 20% methanal & 50 BS; Frac'd w/30000 gals d-70 quality Binary foam w/30000# 20/40 Interprop

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/26/03	7/28/03	24	→	0	647	0			Flowing
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
open	500	0	→	0	647	0		producing	

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

See Instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

SEP 8 2003

LES BABYAK
PETROLEUM ENGINEER

8b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

8c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

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

10. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Dolo	0	507		Wolfcamp	8695
Rock-Caverns	507	1114		Cisco (Bough C)	9030
Dolo	1114	3205		Canyon	9897
Sand	3205	3989		Strawn	10223
Sd/Sh	3989	5220		Atoka	10626
Lm	5220	6443		Delaware Sand	2720
Sd/Lm	6443	6710		Bone Spring	5040
Lm	6710	8635		3rd Bone Spring Sd	8215
Lm/Sd	8635	9601		Morrow	10748
Sd	9601	10326			
Lm/sh	10326	12385			

32. Additional remarks (include plugging procedure):

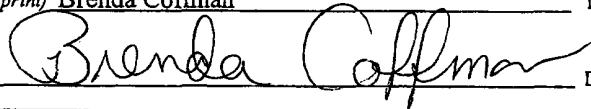
33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Brenda CoffmanTitle Regulatory Analyst

Signature

Date 09/05/2003

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-32575	Pool Code 78060	Pool Name Happy Valley, Morrow
Property Code	Property Name FEDERAL AA	Well Number 2
OGRID No. 168489	Operator Name RICKS EXPLORATION	Elevation 3654'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	17	22-S	26-E		1961'	NORTH	2113'	WEST	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
M	17	22-S	26-E		660'	SOUTH	660'	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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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 the the information contained herein is true and complete to the best of my knowledge and belief. <i>Brenda Coffman</i> Signature Brenda Coffman Printed Name Regulatory Analyst Title 9-5-03 Date 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. OCTOBER 22, 2002 Date Surveyed LA Signature & Seal of Professional Surveyor <i>Ronald J. Edson</i> NEW MEXICO 02.11.0785 Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641
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OPERATOR: RICKS EXPLORATION
WELL/LEASE: FEDERAL AA #2
COUNTY: EDDY

144-0016

STATE OF NEW MEXICO
DEVIATION REPORT

165	1/4
409	1
649	1
940	3
1,066	3
1,161	2 3/4
1,256	2 3/4
1,351	2 3/4
1,446	2 1/4
1,540	2
1,634	2
1,729	1 1/2
1,793	2
1,885	1 1/2
1,980	2
2,075	2
2,169	1 3/4
2,264	2
2,359	1 3/4
2,455	1
2,549	1/2
2,800	3/4
2,992	3/4
3,181	3/4
3,462	1/4
3,683	3/4
3,810	1/2
3,902	3/4
4,125	1/2
4,347	1/2
4,567	1/2
4,787	1
5,010	1/2



By: Steve Moore

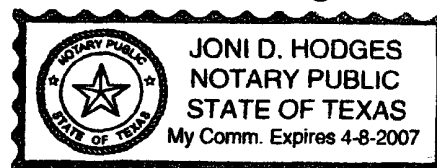
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 6th day of May, 2003, by Steve Moore on behalf of Patterson-UTL Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007



CONCHO OIL AND GAS
FEDERAL "AA" NO. 2

subject
UNKNOWN
Eddy County New Mexico

S U R V E Y L I S T I N G

by.
Baker Hughes INTEQ

Your ref : MWD
Our ref : svy2239
License :

Date printed : 9-Sep-2003
Date created : 16-Apr-2003
Last revised : 3-Jun-2003

Field is centred on n32 30 0.000,w104 15 0
Structure is centred on 505272.800,507019.100,999.00000,N

Slot location is n32 23 38.072,w104 18 58.502
Slot Grid coordinates are N 507019.100, E 505272.800
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North

CONCHO OIL AND GAS
FEDERAL "AA" NO. 2, subject
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 1

Your ref : MWD

Last revised : 3-Jun-2003

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
5141.00	0.85	236.56	5139.74	46.31N	69.19W	0.00	-8.80	505203.61	507065.41
5202.00	0.90	206.10	5200.73	45.63N	69.78W	0.76	-7.92	505203.02	507064.73
5234.00	1.60	191.70	5232.73	44.97N	69.98W	2.38	-7.24	505202.82	507064.07
5267.00	2.60	198.70	5265.70	43.81N	70.31W	3.12	-6.06	505202.49	507062.91
5299.00	3.50	202.60	5297.66	42.22N	70.92W	2.88	-4.37	505201.88	507061.32
5331.00	4.50	208.20	5329.58	40.21N	71.89W	3.35	-2.14	505200.91	507059.31
5363.00	5.40	209.30	5361.46	37.79N	73.22W	2.83	0.62	505199.58	507056.89
5395.00	6.40	209.30	5393.29	34.92N	74.83W	3.12	3.91	505197.97	507054.02
5425.00	7.20	210.00	5423.08	31.84N	76.59W	2.68	7.46	505196.21	507050.94
5457.00	7.90	210.30	5454.80	28.20N	78.70W	2.19	11.66	505194.10	507047.30
5489.00	8.50	211.00	5486.47	24.27N	81.03W	1.90	16.22	505191.77	507043.37
5521.00	8.90	208.90	5518.11	20.08N	83.44W	1.60	21.05	505189.36	507039.18
5552.00	9.40	207.50	5548.71	15.73N	85.77W	1.77	25.98	505187.03	507034.83
5582.00	10.00	205.80	5578.28	11.22N	88.03W	2.22	31.03	505184.77	507030.32
5615.00	10.70	203.80	5610.74	5.83N	90.52W	2.38	36.95	505182.28	507024.93
5647.00	11.50	201.90	5642.15	0.16N	92.91W	2.75	43.09	505179.89	507019.26
5679.00	12.10	200.10	5673.47	5.95S	95.25W	2.20	49.59	505177.55	507013.15
5711.00	13.10	199.40	5704.70	12.52S	97.61W	3.16	56.50	505175.19	507006.58
5744.00	14.20	199.10	5736.77	19.88S	100.17W	3.34	64.20	505172.63	506999.22
5775.00	15.10	200.50	5766.76	27.25S	102.83W	3.12	71.97	505169.97	506991.85
5807.00	16.00	200.80	5797.59	35.28S	105.86W	2.82	80.48	505166.94	506983.82
5839.00	16.80	200.10	5828.28	43.74S	109.01W	2.58	89.44	505163.79	506975.36
5871.00	17.60	199.40	5858.85	52.65S	112.21W	2.58	98.81	505160.59	506966.45
5903.00	18.30	199.10	5889.30	61.96S	115.46W	2.21	108.57	505157.34	506957.14
5935.00	19.00	200.10	5919.61	71.60S	118.89W	2.40	118.70	505153.91	506947.50
5967.00	19.60	200.50	5949.82	81.52S	122.56W	1.92	129.19	505150.24	506937.58
5999.00	20.40	199.40	5979.89	91.81S	126.30W	2.76	140.03	505146.50	506927.29
6031.00	21.30	198.70	6009.79	102.57S	130.01W	2.92	151.29	505142.79	506916.53
6064.00	22.40	198.00	6040.42	114.23S	133.88W	3.43	163.41	505138.92	506904.87
6096.00	23.00	198.40	6069.94	125.96S	137.73W	1.94	175.58	505135.07	506893.14

6129.00	24.00	198.70	6100.20	138.44S	141.92W	3.05	188.57	505130.88	506880.66
6160.00	24.90	199.10	6128.42	150.58S	146.08W	2.95	201.25	505126.72	506868.52
6193.00	25.90	199.10	6158.23	163.95S	150.71W	3.03	215.25	505122.09	506855.15
6224.00	25.80	199.10	6186.13	176.72S	155.13W	0.32	228.61	505117.67	506842.38
6257.00	26.30	200.10	6215.78	190.37S	159.99W	2.02	242.96	505112.81	506828.73
6289.00	25.60	200.50	6244.55	203.51S	164.85W	2.25	256.84	505107.95	506815.59
6321.00	25.00	199.40	6273.48	216.36S	169.52W	2.38	270.39	505103.28	506802.74
6358.00	24.60	199.40	6307.07	231.00S	174.67W	1.08	285.75	505098.13	506788.10
6390.00	24.50	199.80	6336.18	243.53S	179.13W	0.61	298.91	505093.67	506775.57
6422.00	24.30	199.80	6365.32	255.96S	183.61W	0.62	312.00	505089.19	506763.14
6454.00	24.80	199.10	6394.43	268.50S	188.04W	1.81	325.16	505084.76	506750.60
6486.00	25.70	199.10	6423.37	281.40S	192.51W	2.81	338.65	505080.29	506737.70
6518.00	25.50	199.10	6452.23	294.46S	197.03W	0.62	352.32	505075.77	506724.64
6550.00	25.30	199.80	6481.13	307.41S	201.60W	1.13	365.91	505071.20	506711.69
6582.00	25.10	199.80	6510.09	320.23S	206.21W	0.62	379.40	505066.59	506698.87
6613.00	25.60	200.10	6538.10	332.70S	210.74W	1.67	392.55	505062.06	506686.40
6646.00	26.40	200.80	6567.76	346.26S	215.80W	2.60	406.90	505057.00	506672.84
6710.00	26.80	201.20	6624.99	373.01S	226.07W	0.68	435.36	505046.73	506646.09
6775.00	26.80	200.80	6683.01	400.37S	236.57W	0.28	464.46	505036.23	506618.73
6839.00	25.60	202.30	6740.43	426.65S	246.94W	2.14	492.55	505025.86	506592.45

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from subject and TVD from rotary table.

Bottom hole distance is 2887.81 on azimuth 208.12 degrees from wellhead.

Vertical section is from S 0.00 E 0.00 on azimuth 207.73 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

CONCHO OIL AND GAS
FEDERAL "AA" NO. 2, subject
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 2
Your ref : MWD
Last revised : 3-Jun-2003

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
6903.00	26.00	201.50	6798.05	452.49S	257.33W	0.83	520.26	505015.47	506566.61
6967.00	26.00	201.60	6855.57	478.59S	267.64W	0.07	548.16	505005.16	506540.51
7032.00	26.92	202.30	6913.76	505.45S	278.46W	1.49	576.97	504994.34	506513.65
7095.00	26.20	203.30	6970.12	531.42S	289.38W	1.35	605.03	504983.42	506487.68
7127.00	25.20	203.70	6998.95	544.15S	294.91W	3.17	618.87	504977.89	506474.95
7160.00	25.10	204.40	7028.82	556.95S	300.62W	0.95	632.87	504972.18	506462.15
7191.00	25.10	205.80	7056.89	568.86S	306.20W	1.92	646.00	504966.60	506450.24
7223.00	25.90	204.70	7085.78	581.32S	312.08W	2.91	659.77	504960.72	506437.78
7288.00	27.10	206.50	7143.95	607.47S	324.62W	2.22	688.75	504948.18	506411.63
7352.00	25.70	208.60	7201.27	632.70S	337.76W	2.63	717.20	504935.04	506386.40
7416.00	24.40	206.80	7259.25	656.68S	350.37W	2.35	744.29	504922.43	506362.42
7449.00	24.80	205.80	7289.26	669.00S	356.45W	1.75	758.03	504916.35	506350.10
7481.00	25.20	204.70	7318.26	681.23S	362.22W	1.92	771.54	504910.58	506337.87
7513.00	25.80	202.60	7347.14	693.85S	367.74W	3.39	785.28	504905.06	506325.25
7545.00	26.40	203.00	7375.88	706.83S	373.20W	1.95	799.30	504899.60	506312.27
7577.00	26.20	201.60	7404.57	719.94S	378.58W	2.04	813.41	504894.22	506299.16
7609.00	26.30	201.60	7433.27	733.10S	383.79W	0.31	827.49	504889.01	506286.00
7642.00	25.80	201.20	7462.92	746.60S	389.08W	1.61	841.89	504883.72	506272.50
7674.00	26.00	201.60	7491.70	759.61S	394.18W	0.83	855.78	504878.62	506259.49
7706.00	26.60	203.00	7520.39	772.73S	399.56W	2.70	869.90	504873.24	506246.37
7738.00	27.00	203.00	7548.95	786.01S	405.20W	1.25	884.28	504867.60	506233.09
7770.00	27.20	203.30	7577.44	799.41S	410.93W	0.76	898.81	504861.87	506219.69
7802.00	27.30	204.70	7605.89	812.80S	416.89W	2.03	913.43	504855.91	506206.30
7834.00	27.30	204.70	7634.32	826.13S	423.02W	0.00	928.08	504849.78	506192.97
7899.00	27.00	204.00	7692.16	853.15S	435.25W	0.67	957.69	504837.55	506165.95
7963.00	26.40	206.50	7749.34	879.16S	447.51W	1.99	986.42	504825.29	506139.94
8027.00	26.90	207.90	7806.54	904.69S	460.63W	1.25	1015.12	504812.17	506114.41

8092.00	27.00	207.90	7864.48	930.72S	474.42W	0.15	1044.58	504798.38	506088.38
8124.00	26.70	208.70	7893.03	943.45S	481.27W	1.47	1059.03	504791.53	506075.65
8188.00	25.40	209.60	7950.53	967.99S	494.95W	2.12	1087.13	504777.85	506051.11
8220.00	25.40	210.70	7979.44	979.86S	501.85W	1.47	1100.84	504770.95	506039.24
8252.00	25.70	210.30	8008.31	991.75S	508.85W	1.08	1114.62	504763.95	506027.35
8285.00	26.30	210.70	8037.97	1004.22S	516.20W	1.89	1129.07	504756.60	506014.88
8317.00	27.10	210.30	8066.55	1016.61S	523.49W	2.56	1143.43	504749.31	506002.49
8349.00	27.30	210.00	8095.01	1029.26S	530.84W	0.76	1158.05	504741.96	505989.84
8381.00	26.60	210.70	8123.54	1041.77S	538.17W	2.40	1172.54	504734.63	505977.33
8413.00	26.50	210.00	8152.17	1054.11S	545.39W	1.03	1186.82	504727.41	505964.99
8445.00	26.60	209.60	8180.79	1066.53S	552.50W	0.64	1201.12	504720.30	505952.57
8477.00	27.20	210.00	8209.33	1079.09S	559.70W	1.96	1215.59	504713.10	505940.01
8509.00	27.70	210.00	8237.73	1091.86S	567.07W	1.56	1230.33	504705.73	505927.24
8541.00	27.90	210.30	8266.03	1104.77S	574.57W	0.76	1245.24	504698.23	505914.33
8573.00	27.50	211.00	8294.36	1117.57S	582.15W	1.61	1260.09	504690.65	505901.53
8605.00	26.50	210.00	8322.88	1130.08S	589.53W	3.43	1274.60	504683.27	505889.02
8637.00	26.20	210.30	8351.55	1142.36S	596.66W	1.03	1288.79	504676.14	505876.74
8669.00	26.10	210.30	8380.28	1154.54S	603.77W	0.31	1302.88	504669.03	505864.56
8701.00	25.80	211.40	8409.05	1166.56S	610.95W	1.77	1316.86	504661.85	505852.54
8734.00	25.10	210.70	8438.85	1178.71S	618.27W	2.31	1331.02	504654.53	505840.39
8766.00	24.70	209.60	8467.87	1190.36S	625.04W	1.91	1344.48	504647.76	505828.74
8798.00	25.30	209.60	8496.87	1202.12S	631.72W	1.87	1358.00	504641.08	505816.98
8829.00	25.70	207.90	8524.86	1213.82S	638.13W	2.69	1371.34	504634.67	505805.28

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from subject and TVD from rotary table.

Bottom hole distance is 2887.81 on azimuth 208.12 degrees from wellhead.

Vertical section is from S 0.00 E 0.00 on azimuth 207.73 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

CONCHO OIL AND GAS
FEDERAL "AA" NO. 2, subject
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 3
Your ref : MWD
Last revised : 3-Jun-2003

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg./100ft	Vert Sect	G R I D Easting	C O O R D S Northing
8862.00	25.70	207.20	8554.59	1226.51S	644.75W	0.92	1385.65	504628.05
8894.00	25.40	206.80	8583.46	1238.80S	651.02W	1.08	1399.45	504621.78
8958.00	25.40	207.90	8641.28	1263.19S	663.63W	0.74	1426.90	504609.17
9022.00	26.00	208.20	8698.94	1287.68S	676.68W	0.96	1454.65	504596.12
9055.00	25.80	208.60	8728.63	1300.36S	683.54W	0.80	1469.07	504589.26
9087.00	25.00	209.60	8757.54	1312.35S	690.21W	2.84	1482.79	504582.59
9119.00	23.80	211.00	8786.68	1323.77S	696.88W	4.16	1495.99	504575.92
9151.00	23.10	213.50	8816.04	1334.54S	703.67W	3.80	1508.69	504569.13
9183.00	22.90	214.20	8845.49	1344.92S	710.63W	1.06	1521.12	504562.17
9215.00	22.70	214.90	8874.99	1355.13S	717.66W	1.05	1533.43	504555.14
9247.00	23.40	215.60	8904.44	1365.36S	724.90W	2.35	1545.85	504547.90
9280.00	23.40	216.30	8934.72	1375.97S	732.59W	0.84	1558.82	504540.21
9310.00	23.20	214.90	8962.28	1385.62S	739.50W	1.96	1570.58	504533.30
9342.00	23.40	212.40	8991.67	1396.16S	746.51W	3.15	1583.16	504526.29
9374.00	24.00	211.00	9020.97	1407.10S	753.27W	2.57	1595.99	504519.53
9406.00	25.00	211.00	9050.09	1418.47S	760.10W	3.13	1609.24	504512.70
9438.00	25.70	210.70	9079.00	1430.24S	767.13W	2.22	1622.92	504505.67
9470.00	25.90	209.30	9107.82	1442.30S	774.09W	2.00	1636.84	504498.71
9502.00	26.20	206.80	9136.57	1454.70S	780.69W	3.56	1650.89	504492.11
9535.00	26.40	206.10	9166.15	1467.79S	787.21W	1.12	1665.51	504485.59
9569.00	26.40	203.70	9196.60	1481.50S	793.57W	3.14	1680.60	504479.23
9601.00	26.50	201.90	9225.26	1494.64S	799.09W	2.52	1694.80	504473.71
9633.00	25.90	202.60	9253.97	1507.71S	804.44W	2.11	1708.86	504468.36
9665.00	25.30	202.60	9282.83	1520.48S	809.75W	1.87	1722.64	504463.05
9698.00	25.30	202.60	9312.66	1533.50S	815.17W	0.00	1736.68	504457.63

9730.00	26.00	202.60	9341.51	1546.29S	820.50W	2.19	1750.48	504452.30	505472.81
9794.00	26.80	206.50	9398.84	1572.15S	832.33W	2.98	1778.88	504440.47	505446.95
9858.00	24.50	207.90	9456.53	1596.80S	844.98W	3.72	1806.58	504427.82	505422.30
9922.00	25.60	205.40	9514.51	1621.01S	857.12W	2.38	1833.66	504415.68	505398.09
9986.00	26.60	207.90	9571.98	1646.17S	869.75W	2.32	1861.81	504403.05	505372.93
10051.00	25.30	209.60	9630.43	1671.11S	883.42W	2.30	1890.24	504389.38	505347.99
10116.00	23.40	210.30	9689.64	1694.33S	896.80W	2.96	1917.02	504376.00	505324.77
10180.00	24.20	208.90	9748.20	1716.79S	909.55W	1.53	1942.83	504363.25	505302.31
10244.00	25.50	208.60	9806.27	1740.37S	922.48W	2.04	1969.72	504350.32	505278.73
10294.00	25.80	207.50	9851.35	1759.47S	932.66W	1.13	1991.37	504340.14	505259.63
10356.00	25.10	205.80	9907.33	1783.28S	944.61W	1.63	2018.00	504328.19	505235.82
10421.00	25.80	204.70	9966.02	1808.54S	956.53W	1.30	2045.91	504316.27	505210.56
10485.00	26.50	204.70	10023.47	1834.17S	968.31W	1.09	2074.07	504304.49	505184.93
10548.00	27.80	204.00	10079.53	1860.36S	980.16W	2.12	2102.77	504292.64	505158.74
10611.00	27.30	204.70	10135.39	1886.90S	992.17W	0.95	2131.86	504280.63	505132.20
10675.00	27.30	205.80	10192.26	1913.45S	1004.69W	0.79	2161.18	504268.11	505105.65
10739.00	28.10	206.10	10248.92	1940.20S	1017.71W	1.27	2190.92	504255.09	505078.90
10802.00	27.70	205.40	10304.60	1966.75S	1030.52W	0.82	2220.38	504242.28	505052.35
10866.00	27.40	206.50	10361.34	1993.37S	1043.47W	0.92	2249.97	504229.33	505025.73
10929.00	27.20	206.80	10417.33	2019.19S	1056.43W	0.39	2278.85	504216.37	504999.91
11010.00	27.00	207.00	10489.43	2052.10S	1073.13W	0.27	2315.75	504199.67	504967.00
11056.00	26.20	208.60	10530.56	2070.32S	1082.73W	2.33	2336.35	504190.07	504948.78
11119.00	26.10	209.60	10587.12	2094.58S	1096.23W	0.72	2364.10	504176.57	504924.52
11182.00	25.70	206.80	10643.79	2118.83S	1109.24W	2.04	2391.61	504163.56	504900.27
11246.00	25.60	207.20	10701.48	2143.51S	1121.81W	0.31	2419.31	504150.99	504875.59

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Coordinates from subject and TVD from rotary table.

Bottom hole distance is 2887.81 on azimuth 208.12 degrees from wellhead.

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CONCHO OIL AND GAS
FEDERAL "AA" NO. 2, subject
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 4
Your ref : MWD
Last revised : 3-Jun-2003

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
11309.00	26.30	206.80	10758.13	2168.07S	1134.33W	1.15	2446.88	504138.47
11373.00	27.10	206.10	10815.31	2193.82S	1147.13W	1.34	2475.63	504125.67
11436.00	26.50	206.10	10871.54	2219.33S	1159.63W	0.95	2504.02	504113.17
11500.00	25.80	206.80	10928.99	2244.58S	1172.19W	1.20	2532.22	504100.61
11562.00	24.90	207.50	10985.02	2268.20S	1184.30W	1.53	2558.76	504088.50
11625.00	24.60	207.50	11042.23	2291.60S	1196.48W	0.48	2585.14	504076.32
11688.00	24.40	208.60	11099.56	2314.65S	1208.76W	0.79	2611.26	504064.04
11752.00	23.80	208.90	11157.98	2337.57S	1221.33W	0.96	2637.39	504051.47
11816.00	24.80	208.90	11216.31	2360.62S	1234.06W	1.56	2663.72	504038.74
11879.00	23.90	210.30	11273.70	2383.21S	1246.89W	1.70	2689.68	504025.91
11911.00	24.20	210.70	11302.93	2394.45S	1253.51W	1.07	2702.71	504019.29
11974.00	23.60	210.30	11360.52	2416.44S	1266.46W	0.99	2728.20	504006.34
12038.00	23.70	211.00	11419.15	2438.52S	1279.55W	0.47	2753.84	503993.25
12070.00	23.50	211.00	11448.47	2449.51S	1286.15W	0.62	2766.63	503986.65
12133.00	22.40	214.90	11506.49	2470.12S	1299.49W	2.98	2791.08	503973.31
12196.00	22.10	217.40	11564.80	2489.38S	1313.55W	1.58	2814.68	503959.25
12260.00	21.70	218.10	11624.18	2508.25S	1328.16W	0.75	2838.18	503944.64
12323.00	21.20	220.50	11682.82	2526.08S	1342.75W	1.60	2860.75	503930.05
12350.00	21.10	221.20	11708.00	2533.45S	1349.12W	1.01	2870.24	503923.68
12400.00	21.10	221.20	11754.65	2546.99S	1360.98W	0.00	2887.74	503911.82

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FEDERAL "AA" NO. 2, subject
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 5
Your ref : MWD
Last revised : 3-Jun-2003

Comments in wellpath

MD	TVD	Rectangular Coords.	Comment
11436.00	10871.54	2219.33S 1159.63W	survey??

NO PROPOSAL