

RECEIVED

Oil Cons.
UNITED STATES N.M. DIV-Dist. 2
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1501 W. Grand Avenue
Alamosa, NM 88210

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

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

2. Name of Operator
Concho Exploration Inc.

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

3.a Phone No. (Include area code)
(432)685-4373

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

At Surface 2365' FWL & 2215' FNL

At top prod. interval reported below 860' FSL & 1465' FEL

At total depth 748' FSL & 1413' FEL

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NOV 19 2003

OCD-ARTESIA

5. Lease Serial No.
NM - 13406

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

Federal "BN" 2

9. API Well No.

30-015-32721

10. Field and Pool, or Exploratory

Happy Valley-Morrow

11. Sec., T., R., M., on Block and
Survey or Area Sec. 17, T22S, R25E

12. County or Parish

Eddy

13. State

New Mexico

14. Date Spudded

06/25/2003

15. Date T.D. Reached

07/31/2003

16. Date Completed

☐ D & A ☒ Ready to Prod.
10/02/2003

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

3682' GR

18. Total Depth: MD 12445
TVD

19. Plug Back T.D.: MD 12,360
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
CN/GR; 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 3/8H-	48#		777	777	750sx C		Surface	
12 1/4"	40	40#		2594	2594	900sx C		Circ.	
8 3/4"	9 5/8" J55	17#		12,445	12445	1230sx Poz H			
	5 1/2 LTC								

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"	11,750'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	12,124	12,312	12,294 - 12,312		37	open
B)			12,124 - 12,140		32	open
C)						
D)						

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

Depth Interval	Amount and Type of Material
12,294' - 12,312	2500 gal 7 12% Morrow blend acid & 119,200 SCF of N2 & 60 BS
12,124' - 140', +	
12,294' - 312'	Acidize w/ 2500 gals 7 1/2% Morrow blend acid, 128,300 SCF N2 & 50 BS Frac'd w/ 61,850 gals 40# Binary foam carrying 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
10/08/03	10/28/03	24	→	0	300	0			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
32/64"	SI 100		→	0	300	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
			→						
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
SI			→						

(See Instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

NOV - 6 2003

LES BABYAK
PLATEAU ENGINEER

28b. 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	

28c. 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	

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

30. 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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Surface rock/lm	0	1210		Wolfcamp	8747
Dolo/sd	1210	3370		Cisco (Bough C)	9335
Sd/sh	3370	5378		Canyon	9996
Lime	5378	7935		Strawn	10636
Sd/Sh/Bone	7935	8862		Delaware Sand	2794
Spring	8862	10832		Bone Spring	5090
Lm/Sd/Sh	10832	11065		Morrow	10958
Cisco Canyon	11065	11604		Morrow clastics	11302
Lm	11604	12264			
Lm/ch/sh	12264	12450			
Morrow					

31. Formation (Log) Markers

32. Additional remarks (include plugging procedure):

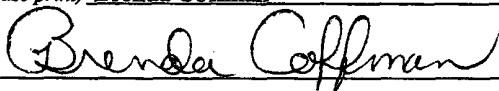
33. Circle enclosed attachments:

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 11/04/2003

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.

RECEIVED

CONCHO OIL AND GAS
FEDERAL BN #2

slot #1
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 : svy2314
License :

Date printed : 9-Sep-2003
Date created : 11-Jul-2003
Last revised : 31-Jul-2003

Field is centred on n32 30 0.000,w104 15 0
Structure is centred on 505525.400,506769.400,999.00000,N

Slot location is n32 23 35.600,w104 18 55.556
Slot Grid coordinates are N 506769.400, E 505525.400
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 BN #2, slot #1
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 1
Your ref : MWD
Last revised : 31-Jul-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
5225.00	1.05	252.06	5224.58	12.71S	46.04W	0.00	-14.67	505479.36	506756.69
5330.00	1.00	203.60	5329.57	13.85S	47.32W	0.80	-14.42	505478.08	506755.55
5394.00	2.10	131.20	5393.55	15.13S	46.66W	3.18	-12.99	505478.74	506754.27
5458.00	4.10	125.90	5457.45	17.24S	43.93W	3.15	-9.72	505481.47	506752.16
5523.00	5.40	127.30	5522.22	20.46S	39.61W	2.01	-4.66	505485.79	506748.94
5587.00	6.70	129.00	5585.87	24.64S	34.31W	2.05	1.74	505491.09	506744.76
5651.00	8.30	135.00	5649.32	30.25S	28.15W	2.78	9.82	505497.25	506739.15
5716.00	10.60	140.30	5713.43	38.17S	21.01W	3.78	20.35	505504.39	506731.23
5812.00	14.10	140.60	5807.20	54.00S	7.94W	3.65	40.76	505517.46	506715.40
5876.00	15.00	142.40	5869.14	66.59S	2.06E	1.57	56.78	505527.46	506702.81
5941.00	16.90	143.10	5931.64	80.81S	12.87E	2.94	74.59	505538.27	506688.59
6005.00	19.20	141.80	5992.48	96.52S	24.96E	3.65	94.37	505550.36	506672.88
6070.00	21.60	140.60	6053.40	114.17S	39.17E	3.75	116.92	505564.57	506655.23
6134.00	24.40	139.20	6112.31	133.28S	55.28E	4.46	141.74	505580.68	506636.12
6199.00	25.00	138.22	6171.36	153.69S	73.21E	1.12	168.64	505598.61	506615.71
6263.00	24.90	137.10	6229.39	173.64S	91.39E	0.75	195.30	505616.79	506595.76
6327.00	24.70	138.20	6287.49	193.48S	109.47E	0.79	221.81	505634.87	506575.92
6391.00	24.90	139.90	6345.59	213.76S	127.07E	1.16	248.42	505652.47	506555.64
6455.00	25.00	141.40	6403.62	234.63S	144.18E	1.00	275.26	505669.58	506534.77
6520.00	25.10	141.40	6462.50	256.14S	161.35E	0.15	302.67	505686.75	506513.26
6584.00	24.80	141.00	6520.53	277.18S	178.27E	0.54	329.54	505703.67	506492.22
6647.00	24.40	142.80	6577.81	297.81S	194.45E	1.35	355.67	505719.85	506471.59
6712.00	24.40	142.40	6637.01	319.15S	210.76E	0.25	382.46	505736.16	506450.25
6776.00	24.90	143.80	6695.17	340.49S	226.78E	1.20	409.10	505752.18	506428.91
6839.00	25.80	143.50	6752.11	362.22S	242.77E	1.44	436.03	505768.17	506407.18
6904.00	25.30	143.80	6810.75	384.79S	259.39E	0.79	464.03	505784.79	506384.61
6968.00	24.70	145.20	6868.75	406.81S	275.10E	1.32	491.05	505800.50	506362.59
7043.00	24.90	146.30	6936.84	432.81S	292.80E	0.67	522.51	505818.20	506336.59
7108.00	23.80	146.60	6996.06	455.15S	307.61E	1.70	549.30	505833.01	506314.25
7172.00	22.80	148.70	7054.84	476.53S	321.16E	2.03	574.61	505846.56	506292.87

7236.00	22.10	147.70	7113.99	497.30S	334.04E	1.25	599.04	505859.44	506272.10
7301.00	21.50	144.90	7174.34	517.38S	347.42E	1.85	623.17	505872.82	506252.02
7365.00	21.50	145.60	7233.89	536.65S	360.79E	0.40	646.62	505886.19	506232.75
7429.00	21.70	146.20	7293.39	556.16S	374.00E	0.47	670.18	505899.40	506213.24
7493.00	22.60	147.30	7352.67	576.34S	387.23E	1.55	694.31	505912.63	506193.06
7558.00	22.70	146.30	7412.65	597.29S	400.93E	0.61	719.34	505926.33	506172.11
7622.00	23.70	144.50	7471.48	618.03S	415.25E	1.92	744.54	505940.65	506151.37
7686.00	23.90	143.80	7530.04	638.97S	430.38E	0.54	770.34	505955.78	506130.43
7750.00	23.80	144.20	7588.57	659.90S	445.59E	0.30	796.19	505970.99	506109.50
7814.00	23.70	145.60	7647.15	680.99S	460.41E	0.89	821.95	505985.81	506088.41
7878.00	23.70	147.30	7705.76	702.42S	474.63E	1.07	847.68	506000.03	506066.98
7943.00	23.30	149.10	7765.36	724.45S	488.29E	1.26	873.58	506013.69	506044.95
8014.00	23.50	150.50	7830.53	748.82S	502.47E	0.83	901.74	506027.87	506020.58
8079.00	25.20	151.60	7889.74	772.27S	515.43E	2.71	928.46	506040.83	505997.13
8143.00	27.00	151.60	7947.21	797.04S	528.82E	2.81	956.51	506054.22	505972.36
8207.00	27.20	149.80	8004.19	822.46S	543.09E	1.32	985.59	506068.49	505946.94
8271.00	28.00	148.00	8060.91	847.84S	558.41E	1.81	1015.21	506083.81	505921.56
8335.00	28.50	147.00	8117.28	873.39S	574.69E	1.08	1045.50	506100.09	505896.01
8400.00	28.40	148.10	8174.43	899.52S	591.30E	0.82	1076.46	506116.70	505869.88
8464.00	28.00	147.30	8230.84	925.08S	607.46E	0.86	1106.70	506132.86	505844.32

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

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2761.94 on azimuth 147.05 degrees from wellhead.

Vertical section is from N 0.00 W 0.00 on azimuth 146.68 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 BN #2,slot #1
UNKNOWN,Eddy County New Mexico

SURVEY LISTING Page 2
Your ref : MWD
Last revised : 31-Jul-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
8528.00	28.60	144.90	8287.19	950.26S	624.39E	2.01	1137.03	506149.79	505819.14
8593.00	27.70	146.30	8344.50	975.55S	641.72E	1.72	1167.69	506167.12	505793.85
8657.00	26.20	147.00	8401.55	999.78S	657.66E	2.40	1196.70	506183.06	505769.62
8722.00	26.20	148.00	8459.87	1023.98S	673.08E	0.68	1225.39	506198.48	505745.42
8786.00	25.30	148.00	8517.51	1047.56S	687.82E	1.41	1253.19	506213.22	505721.84
8850.00	26.10	146.30	8575.18	1070.87S	702.88E	1.70	1280.94	506228.28	505698.53
8914.00	24.90	147.30	8632.95	1093.92S	717.97E	1.99	1308.49	506243.37	505675.48
8978.00	24.30	148.00	8691.14	1116.43S	732.22E	1.04	1335.13	506257.62	505652.97
9041.00	24.40	148.00	8748.54	1138.46S	745.99E	0.16	1361.10	506271.39	505630.94
9105.00	24.70	147.00	8806.75	1160.88S	760.28E	0.80	1387.68	506285.68	505608.52
9169.00	22.90	147.70	8865.31	1182.62S	774.21E	2.85	1413.51	506299.61	505586.78
9233.00	20.80	151.20	8924.71	1203.11S	786.34E	3.86	1437.29	506311.74	505566.29
9297.00	21.40	152.60	8984.42	1223.44S	797.19E	1.22	1460.23	506322.59	505545.96
9361.00	21.30	153.30	9044.02	1244.19S	807.79E	0.43	1483.39	506333.19	505525.21
9424.00	22.10	153.00	9102.56	1264.97S	818.31E	1.28	1506.54	506343.71	505504.43
9494.00	25.00	153.70	9166.72	1289.97S	830.84E	4.16	1534.31	506356.24	505479.43
9557.00	26.30	148.40	9223.52	1313.79S	844.06E	4.18	1561.48	506369.46	505455.61
9621.00	28.20	144.90	9280.42	1338.24S	860.18E	3.88	1590.77	506385.58	505431.16
9684.00	27.20	142.10	9336.20	1361.79S	877.59E	2.60	1620.00	506402.99	505407.61
9747.00	27.30	140.00	9392.21	1384.22S	895.72E	1.53	1648.71	506421.12	505385.18
9812.00	26.00	140.00	9450.30	1406.55S	914.46E	2.00	1677.66	506439.86	505362.85
9875.00	24.70	143.10	9507.24	1427.66S	931.24E	2.95	1704.52	506456.64	505341.74
9939.00	24.40	146.30	9565.45	1449.35S	946.61E	2.13	1731.08	506472.01	505320.05
10000.00	25.60	147.70	9620.74	1470.97S	960.64E	2.19	1756.86	506486.04	505298.43
10064.00	26.50	147.00	9678.24	1494.63S	975.81E	1.49	1784.96	506501.21	505274.77
10127.00	26.00	147.00	9734.74	1518.00S	990.98E	0.79	1812.83	506516.38	505251.40
10190.00	24.30	147.00	9791.76	1540.46S	1005.56E	2.70	1839.60	506530.96	505228.94

10254.00	24.40	146.60	9850.07	1562.54S	1020.01E	0.30	1865.99	506545.41	505206.86
10316.00	24.20	147.70	9906.58	1583.97S	1033.85E	0.80	1891.50	506559.25	505185.43
10379.00	24.40	148.00	9964.00	1605.92S	1047.65E	0.37	1917.42	506573.05	505163.48
10411.00	24.40	147.00	9993.14	1617.07S	1054.75E	1.29	1930.64	506580.15	505152.33
10474.00	24.20	144.50	10050.56	1638.49S	1069.34E	1.66	1956.55	506594.74	505130.91
10538.00	24.10	144.20	10108.96	1659.77S	1084.60E	0.25	1982.72	506610.00	505109.63
10602.00	23.70	144.50	10167.47	1680.84S	1099.71E	0.65	2008.62	506625.11	505088.56
10672.00	23.60	144.50	10231.59	1703.70S	1116.02E	0.14	2036.68	506641.42	505065.70
10735.00	23.60	144.50	10289.32	1724.23S	1130.66E	0.00	2061.89	506656.06	505045.17
10798.00	24.10	143.80	10346.94	1744.88S	1145.58E	0.91	2087.33	506670.98	505024.52
10862.00	24.60	144.50	10405.25	1766.27S	1161.04E	0.90	2113.70	506686.44	505003.13
10925.00	25.40	144.50	10462.35	1787.95S	1176.50E	1.27	2140.30	506701.90	504981.45
10988.00	25.50	144.90	10519.23	1810.04S	1192.14E	0.32	2167.36	506717.54	504959.36
11052.00	25.10	144.90	10577.09	1832.42S	1207.87E	0.62	2194.70	506733.27	504936.98
11115.00	25.10	144.90	10634.14	1854.28S	1223.23E	0.00	2221.41	506748.63	504915.12
11178.00	25.60	144.50	10691.08	1876.30S	1238.82E	0.84	2248.36	506764.22	504893.10
11241.00	25.10	143.80	10748.01	1898.16S	1254.62E	0.93	2275.31	506780.02	504871.24
11305.00	25.20	144.20	10805.94	1920.16S	1270.60E	0.31	2302.48	506796.00	504849.24
11368.00	25.10	145.90	10862.97	1942.11S	1285.94E	1.16	2329.24	506811.34	504827.29
11432.00	26.20	145.90	10920.66	1965.05S	1301.47E	1.72	2356.94	506826.87	504804.35
11495.00	25.80	145.20	10977.29	1987.82S	1317.09E	0.80	2384.55	506842.49	504781.58
11559.00	26.10	146.30	11034.84	2010.97S	1332.85E	0.89	2412.55	506858.25	504758.43
11640.00	26.20	146.60	11107.55	2040.72S	1352.58E	0.20	2448.25	506877.98	504728.68

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

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2761.94 on azimuth 147.05 degrees from wellhead.

Vertical section is from N 0.00 W 0.00 on azimuth 146.68 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 BN #2, slot #1
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 3
Your ref : MWD
Last revised : 31-Jul-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
11717.00	26.20	146.60	11176.63	2069.10S	1371.30E	0.00	2482.25	506896.70
11780.00	25.30	148.00	11233.38	2092.13S	1386.09E	1.72	2509.61	506911.49
11844.00	24.20	149.40	11291.50	2115.02S	1400.01E	1.95	2536.39	506925.41
11907.00	24.40	150.20	11348.92	2137.43S	1413.05E	0.61	2562.28	506938.45
11971.00	24.10	151.20	11407.27	2160.35S	1425.92E	0.79	2588.50	506951.32
12034.00	24.00	151.60	11464.80	2182.89S	1438.21E	0.30	2614.08	506963.61
12098.00	22.30	152.00	11523.65	2205.06S	1450.10E	2.67	2639.14	506975.50
12161.00	21.50	153.70	11582.10	2225.97S	1460.83E	1.62	2662.50	506986.23
12224.00	20.00	156.20	11641.01	2246.17S	1470.29E	2.76	2684.59	506995.69
12288.00	20.20	156.20	11701.11	2266.30S	1479.17E	0.31	2706.28	507004.57
12351.00	20.20	155.50	11760.24	2286.15S	1488.07E	0.38	2727.76	507013.47
12405.00	20.50	155.50	11810.87	2303.24S	1495.85E	0.56	2746.31	507021.25
12450.00	20.50	155.50	11853.02	2317.58S	1502.39E	0.00	2761.89	507027.79

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2761.94 on azimuth 147.05 degrees from wellhead.

Vertical section is from N 0.00 W 0.00 on azimuth 146.68 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 BN #2, slot #1
UNKNOWN, Eddy County New Mexico

SURVEY LISTING Page 4
Your ref : MWD
Last revised : 31-Jul-2003

NO PROPOSAL