

OCD-ARTESIA

DEC 11 2007

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Form 3160-4 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO 1004-0137 Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well [X] Oil Well [ ] Gas Well [ ] Dry [ ] Other
b Type of Completion: [ ] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff Resvr.
Other \_\_\_\_\_

5 Lease Serial No NM-0560353
6 If Indian, Allottee or Tribe Name
7 Unit or CA Agreement Name and No

2 Name of Operator CHI OPERATING, INC.

8 Lease Name and Well No Munchkin Federal #12

3 Address P.O. BOX 1799, MIDLAND, TX 79702

3a. Phone No. (include area code) 432-685-5001

9 AFI Well No 30-015-35791 0051

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

At surface 2547' FNL & 519' FNL, SEC. 12-T19S-R30E

At top prod interval reported below 2310' FSL & 800' FWL, SEC. 12-T19S-R30E

At total depth



10. Field and Pool, or Exploratory Benson Delaware

11. Sec, T, R., M., or Block and Survey or Area

12 County or Parish EDDY 13 State NM

14 Date Spudded 09/19/2007

15 Date T.D. Reached 09/30/2007

16 Date Completed 11/16/2007 [ ] D & A [X] Ready to Prod.

17 Elevations (DF, RKB, RT, GL)\* 3424' GL

18. Total Depth: MD 5415' TVD

19. Plug Back T.D. MD 5397' TVD

20. Depth Bridge Plug Set MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

GR-CAL-CNL,LDT,DDL,MSFL

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [ ] No [ ] Yes (Submit report)
Directional Survey? [ ] No [X] Yes (Submit copy)

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

Table with columns: 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. Rows include 17 1/2", 11', and 7 7/8" hole sizes.

24 Tubing Record

Table with columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD). Row for 2 7/8" tubing.

25. Producing Intervals

26. Perforation Record

Table with columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status. Rows A) Delaware, B) Delaware, C), D).

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

Table with columns: Depth Interval, Amount and Type of Material. Rows for 4870-4788' and 4590-4615' intervals.

28 Production - Interval A

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method. Row for 11/16/2007 test.

28a. Production - Interval B

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method. Row for 11/16/2007 test.

\*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD
DAVID R. GLASS
DEC 5 2007
DAVID R. GLASS
PETROLEUM 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 of 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
Seven Rivers	2352'				
Queen	2982'				
Delaware Formation	4136'				
Delaware Sandstone	4480'				

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)   
  Geologic Report   
  DST Report   
  Directional Survey  
 Sundry Notice for plugging and cement verification   
  Core Analysis   
  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) ROBIN ASKEW

Title REGULATORY CLERK

Signature 

Date 11/29/2007

Title 18 U.S.C Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Scientific  
Drilling

# Scientific Drilling International Survey Report

Company: CHI OPERATING	Date: 10/18/2007	Time: 20:41:04	Page: 1
Field: Munchkin	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Munchkin Federal #12	Section (VS) Reference:	Well (0.00N,0.00E,146.15Azi)	
Wellpath: VH - Job #32K0907857	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/26/07	Start Date: 09/26/2007
KSRG 0'-3200'	
Company: Scientific Drilling Internatio	Engineer: Guebara w/GeoGyro
Tool: Keeper,Keeper Gyro	Tied-to: From Surface

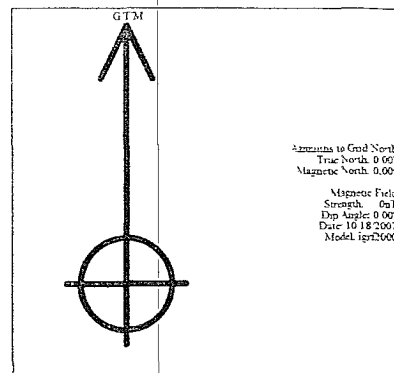
Survey

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	359.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.47	184.79	100.00	0.32	-0.41	-0.03	0.47	0.41	184.79
200.00	0.93	198.18	199.99	1.14	-1.59	-0.32	0.49	1.62	191.45
300.00	0.88	205.74	299.98	2.03	-3.05	-0.91	0.13	3.18	196.58
400.00	0.26	198.68	399.97	2.55	-3.96	-1.31	0.62	4.17	198.37
500.00	0.41	128.18	499.97	3.03	-4.39	-1.11	0.41	4.53	194.13
600.00	0.78	100.26	599.97	3.85	-4.74	-0.15	0.46	4.74	181.87
700.00	0.85	89.36	699.96	4.73	-4.85	1.26	0.17	5.01	165.47
800.00	0.77	48.47	799.95	5.04	-4.40	2.50	0.57	5.06	150.36
900.00	0.88	31.82	899.94	4.64	-3.30	3.41	0.26	4.74	134.05
1000.00	1.02	27.00	999.92	3.89	-1.85	4.22	0.16	4.61	113.70
1100.00	1.19	33.03	1099.90	3.05	-0.19	5.19	0.21	5.19	92.08
1200.00	1.53	33.30	1199.88	2.12	1.80	6.49	0.34	6.73	74.51
1300.00	1.69	39.72	1299.84	1.18	4.05	8.16	0.24	9.11	63.62
1400.00	1.63	43.52	1399.80	0.46	6.21	10.08	0.13	11.84	58.36
1500.00	1.71	53.82	1499.75	0.08	8.13	12.27	0.31	14.71	56.48
1600.00	1.91	57.62	1599.70	0.07	9.90	14.88	0.23	17.87	56.37
1700.00	2.10	62.71	1699.64	0.32	11.63	17.92	0.26	21.36	57.01
1800.00	2.18	60.99	1799.57	0.69	13.39	21.21	0.10	25.08	57.72
1900.00	2.03	57.44	1899.50	0.89	15.27	24.36	0.20	28.75	57.92
2000.00	1.75	49.92	1999.45	0.76	17.21	27.02	0.37	32.04	57.52
2100.00	1.40	41.50	2099.41	0.29	19.10	29.00	-0.42	34.73	56.63
2200.00	1.42	41.95	2199.38	-0.32	20.94	30.64	0.02	37.11	55.65
2300.00	1.48	40.59	2299.35	-0.97	22.84	32.31	0.07	39.57	54.74
2400.00	1.46	42.98	2399.32	-1.61	24.76	34.02	0.06	42.07	53.96
2500.00	1.04	31.46	2499.29	-2.28	26.46	35.36	0.49	44.16	53.19
2600.00	1.00	32.12	2599.28	-3.01	27.97	36.30	0.04	45.83	52.38
2700.00	0.86	35.66	2699.26	-3.63	29.32	37.20	0.15	47.37	51.75
2800.00	0.67	35.59	2799.26	-4.10	30.41	37.98	0.19	48.65	51.31
2900.00	0.51	34.48	2899.25	-4.47	31.25	38.57	0.16	49.64	50.98
3000.00	0.59	27.40	2999.25	-4.88	32.07	39.06	0.10	50.54	50.61
3100.00	0.64	17.16	3099.24	-5.48	33.07	39.46	0.12	51.48	50.04
3200.00	0.34	50.70	3199.24	-5.86	33.79	39.85	0.40	52.25	49.71
3300.00	0.08	132.80	3299.24	-5.82	33.93	40.13	0.34	52.55	49.79



Scientific  
Drilling

Field: Munchkin  
 Site: Eddy County, NM  
 Well: Munchkin Federal #12  
 Wellpath: VH - Job #32K0907857  
 Survey: 09/26/07



South(-)/North(+) [10ft/in]

