

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.

30-005-63566

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. Type of Completion:

NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF.  
WELL OVER BACK RESVR. ☐ OTHER ☐

2. Name of Operator

Chesapeake Operating, Inc.

NOV 17 2003

8. Well No.

6

3. Address of Operator

OCD-ARTESIA

P. O. Box 18496 Oklahoma City, OK 73154-0496

9. Pool name or Wildcat

Pecos Slope; Abo (Gas)

4. Well Location

Unit Letter L : 1980 Feet From The South Line and 660 Feet From The West Line

Section 36 Township 9S Range 25E NMPM Chaves County

10. Date Spudded

09/16/03

11. Date T.D. Reached

09/27/03

12. Date Compl. (Ready to Prod.)

10/28/03

13. Elevations (DF& RKB, RT, GR, etc.)

GR: 3649'

14. Elev. Casinghead

3650'

15. Total Depth

4,575'

16. Plug Back T.D.

4512'

17. If Multiple Compl. How Many

Zones? NA

18. Intervals

Drilled By

Rotary Tools

0-TD

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

4168-88' Abo "C"; 4250-84 Lwr Abo "C"

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

DLMLGRLog; CZ-DCN/GR Log

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
8-5/8	24#	615'	12-1/4"	400 sx	
4-1/2	11.6#	4,570'	7-7/8"	250 sx	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
None		

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

4168-88' (0.42"; 22 holes)

4250-56' (0.42"; 12 holes)

4278-84' (0.42"; 12 holes)

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

4168'-4284' OA 1500 gal 15% NEFe + 65 BS, Frac

w/5000 gal Aquavis 30G + 65,000 gal 65Q

Linear foam + 150 K lbs 20/40 Brown Sd

28. PRODUCTION

Date First Production

11/07/03

Production Method (Flowing, gas lift, pumping - Size and type pump)

Flowing

Well Status (Prod. or Shut-in)

Prod.

Date of Test

11/10/03

Hours Tested

24

Choke Size

Open

Prod'n For

Test Period

Oil - Bbl

0

Gas - MCF

93

Water - Bbl.

0

Gas - Oil Ratio

NA

Flow Tubing  
Press.

NA

Casing Pressure  
(flowing)

104 psi

Calculated 24-  
Hour Rate

Oil - Bbl.

0

Gas - MCF

93

Water - Bbl.

0

Oil Gravity - API - (Corr.)

NA

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

Sold

Test Witnessed By

Lynard Barrera

30. List Attachments

C-104, C-103, Incl. survey, Logs, schematic

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



Printed

Name Andrew J. McCalmont

Title

Asset Manager

Date 11/12/03

E-mail Address

# Directional Survey Report

Chesapeake Operating

Well ID: 819449

Well Name: Tolmack State #6

Well Bore: Original Well Bore

Plane of Vertical Section: 0.0 degrees

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates N-S E-W	Closure	Vertical Section	Dog Leg Severity
** Tieln	0.0	0.00	0.0	0.0				
INC	514.0	0.75	0.0	514.0	N 3.4	3.4	3.4	0.146
INC	615.0	0.50	0.0	615.0	N 4.5	4.5	4.5	0.248
INC	1011.0	0.50	0.0	1011.0	N 7.9	7.9	7.9	0.000
INC	1550.0	0.50	0.0	1549.9	N 12.6	12.6	12.6	0.000
INC	1990.0	0.75	0.0	1989.9	N 17.4	17.4	17.4	0.057
INC	2427.0	0.75	0.0	2426.9	N 23.1	23.1	23.1	0.000
INC	3063.0	1.00	0.0	3062.8	N 32.9	32.9	32.9	0.039
INC	3320.0	0.75	0.0	3319.8	N 36.8	36.8	36.8	0.097
INC	3843.0	0.50	0.0	3842.7	N 42.5	42.5	42.5	0.048
INC	4001.0	0.75	0.0	4000.7	N 44.2	44.2	44.2	0.158
INC	4550.0	0.50	0.0	4549.7	N 50.2	50.2	50.2	0.046

Calculations using Minimum Curvature Method

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WELL NAME AND NUMBER Tolmack State No. 6  
 LOCATION 1980' FSL & 660' FWL, Section 36, T9S, R25E, Chaves County NM  
 OPERATOR Chesapeake Energy Corporation  
 DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>3/4° 514'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 1011'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 1550'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 1990'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 2527'</u>	<u>                    </u>	<u>                    </u>
<u>1° 3063'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 4001'</u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>

Drilling Contractor United Drilling, Inc.

By: George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 29th day of September,  
 2003.

Carlene Martin  
 Notary Public

My Commission Expires:

Chaves New Mexico  
 County State



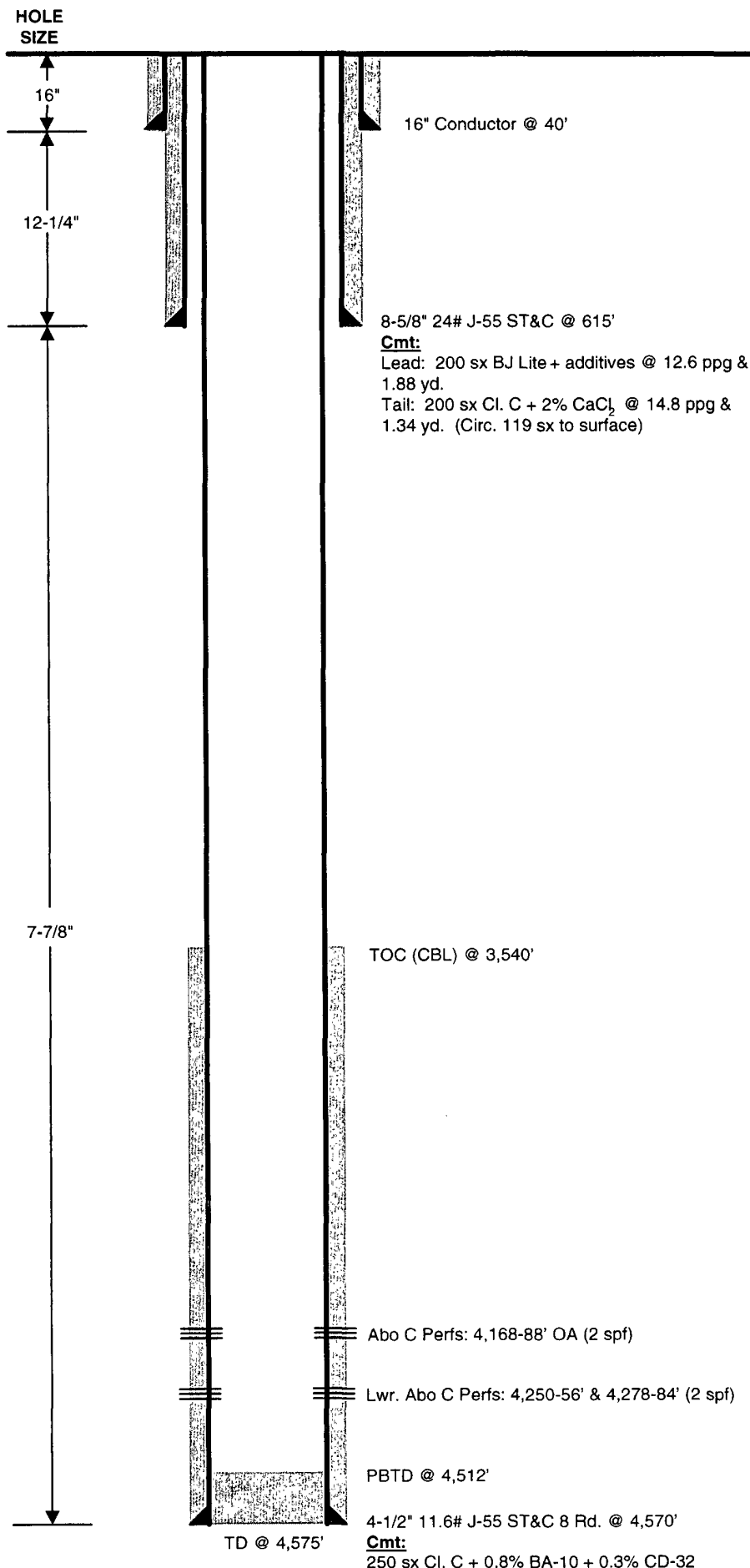
# CURRENT WELLBORE SCHEMATIC

## CHESAPEAKE OPERATING INC



WELL : TOLMACK STATE #6  
FIELD : PECOS SLOPE  
COUNTY : CHAVES STATE: NM  
OBJECTIVE : VERTICAL DEVELOPMENT WELL  
LOCATION : 1,980' FSL & 660' FWL, SEC. 36-T9S-R25E  
ELEVATION : 3,649' GL 3,659' RKB

API #: 30-005-63566  
SPUD DATE: 9/16/03  
RIG RELEASED: 9/27/03  
FIRST SALES: 11/7/03



### Well History:

#### COMPLETION

10/21/03: Run CBL/CCL/GR log. Tag PBTD @ 4,512' KBM, good cmt. from PBTD-3920', TOC @ 3,540'.

10/22/03: Perf Lwr. Abo C from 4250-56' & 4278-84'. Perf Abo C @ 4168, 70, 72, 74, 76, 78, 80, 82, 84, 86 & 4188' w/ 2 spf (0.42" holes, 23 gr., 180° Ph), 46 total holes. BD perfs w/ 2% KCl @ 6 bpm from 1898 to 1198 psi. Acidize w/ 1500 gals 15% NeFe w/ 65 BS. Good ball action thruout job; balled out 2 times. MTP 3000 psi, ATP 1500 psi, Min TP 1105 psi; ATR 6.6 bpm, MTR 6.9 bpm. ISIP 1280 psi, 5 min 807 psi, 10 min 557 psi, 15 min 387 psi. TLTR 103 bbls. Well on vacuum. SD.

10/24/03: RU & pump 5000 gals Aquavis 30G @ 30 BPM & 1573 psi for FET. Pump 20,000 gal pad 65Q linear foam, frac w/ 45,000 gal 65Q linear foam & 150K lbs. 20/40 brown sand, ramped from 1 to 5 ppg. Flush w/ 65 bbls. ATR 28.5 BPM, min TR 14 bpm, MTR 30.2 bpm. ATP 3100 psi, min TP 2675 psi, MTP 3463 psi. ISIP 1808 psi, 5 min 1594 psi, 10 min 1516 psi, 15 min 1474 psi. TLTR 568 bbls. RD.

10/26/03: Post frac FB 34 hrs, rec total 333 bbls foam wtr. FCP 190 psi on 28/64 ck at 6 am, light sand, foam water & CQ returns.

10/27/03: Post frac FB 82 hrs, rec total 500 bbls fluid (foamy wtr & CQ). Est. flowrate 317 mcf w/ 45 psi FCP on 30/64 ck.

10/28/03: Post frac FB 102 hrs, rec total 585 bbls fluid (1-2 BPH foamy wtr & very little CQ). Est. flowrate 289 mcf w/ 20 psi FCP on 48/64 ck.

10/29/03: Post frac FB 126 hrs, rec total 610 bbls fluid (1 BPH foamy wtr, some CO<sub>2</sub> & gas). Est. flowrate 210 mcf w/ 20 psi FCP on 48/64 ck.

10/30/03: Lay FL, hook up facilities. Turn well over to flowtester. 7 pm: Est. 246 mcf w/ 17 psi FCP on 48/64 ck, 38% CQ.

10/31/03: Post frac FB 186 hrs, rec total 648 bbls fluid (5 BW last 24 hrs.) Est. 174 mcf w/ 13 psi FCP on 48/64 ck, 20% CQ.

11/1/03: Post frac FB 210 hrs, rec total 650 bbls fluid (2 BW last 24 hrs.) Est. 174 mcf w/ 12 psi FCP on 48/64 ck, 15% CQ.

11/2/03: Post frac FB 234 hrs, rec total 653 bbls fluid (3 BW last 24 hrs.) Est. 116 mcf w/ 8 psi FCP on 48/64 ck, 15% CQ.

11/5-6/03: NU WH & BOP, TIH w/ bit on 2-3/8" tbg., CO sand from 4418' to PBTD. LD tbg. & bit. ND WH & BOP.

11/7/03: 1st gas sales 11 am on 12/64 ck, est 105 mcf, 175 psi CP.

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PREPARED BY : Ginni A. Kennedy  
UPDATED BY : Ginni A. Kennedy

DATE : 10/20/03  
DATE : 11/10/03