

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

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

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chesapeake Operating, Inc. P. O. Box 18496 Oklahoma City, OK 73154-0496		² OGRID Number 147179
³ Property Code 32560		⁴ API Number 30 - 025-36332
⁵ Property Name Berry 1		⁶ Well No. 1

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	17-S	37-E		880	South	195	West	Lea

⁸ Proposed 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	1	17S	37E		560	South	560	West	Lea

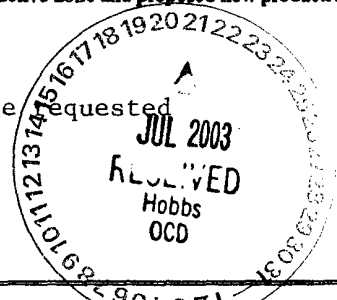
⁹ Proposed Pool 1 Shipp Strawn					¹⁰ Proposed Pool 2				
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¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3746'
¹⁶ Multiple N	¹⁷ Proposed Depth 11,850'	¹⁸ Formation Strawn	¹⁹ Contractor Patterson #504	²⁰ Spud Date 08/15/03

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48# H-40	0-440'	400	Surf
12-1/4	8-5/8"	32# J-55	0-4600'	1200	Surf
7-7/8	5-1/2"	17# L-80	0-11,850'	1300	4600'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.
Describe the blowout prevention program, if any. Use additional sheets if necessary.

Amend Surface Location from 680' FSL to 880' FSL - only change requested



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Barbara J. Bale*

Printed name: Barbara J. Bale

Title: Regulatory Analyst

Date: 07/18/03

Phone: (405) 848-8000

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval: JUL 21 2003

Attached ☐

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30 025 36332	Pool Code	Pool Name Shipp Strawn
Property Code 32560	Property Name BERRY 1	Well Number 1
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3746'

Surface Location

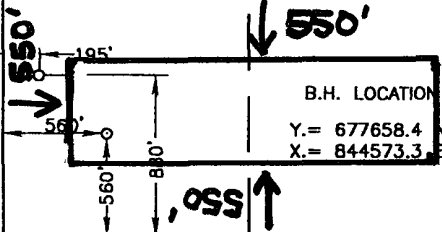
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	17-S	37-E		880'	SOUTH	195'	WEST	LEA

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	1	17-S	37-E		560'	SOUTH	560'	WEST	LEA

Dedicated Acres	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

LOT 4 41.19 AC	LOT 3 41.17 AC	LOT 2 41.15 AC	LOT 1 41.13 AC
GEODETIC COORDINATE NAD 27 NME SURFACE LOCATION Y.= 677971.2 N X.= 844206.1 E			
			

OPERATOR CERTIFICATION

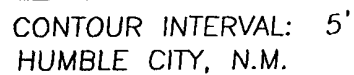
I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Barbara J. Bale
Signature
Barbara J. Bale
Printed Name
Regulatory Analyst
Title
07/18/03
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.

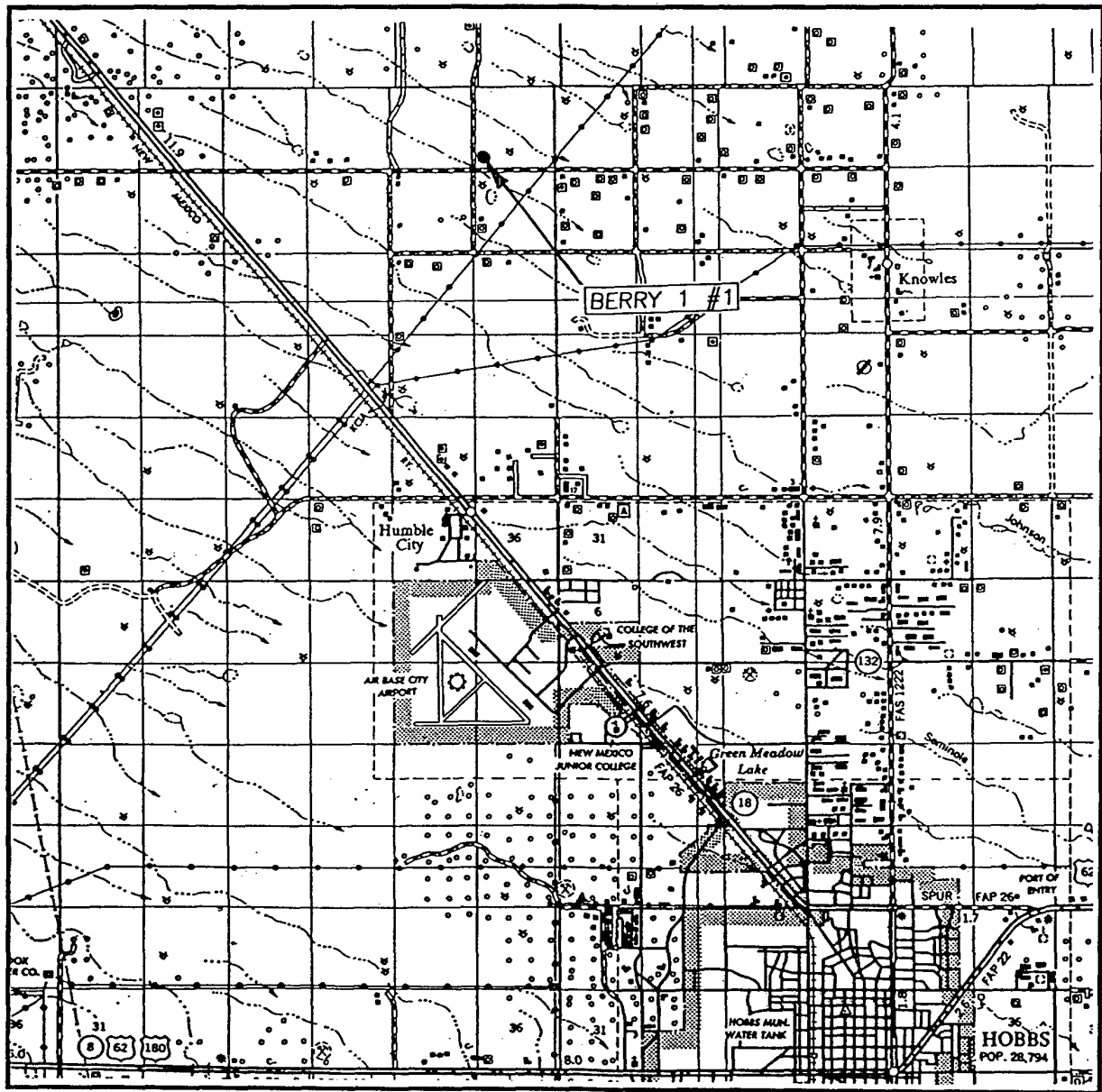
July 01, 2003
Date Surveyed
Signature & Seal of Professional Surveyor
RONALD J. EIDSON
03.13.0672
Certification No. RONALD J. EIDSON 3239
CARY EIDSON 12841



U.S.G.S. TOPOGRAPHIC MAP
HUMBLE CITY, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 1 TWP. 17-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 680' FSL & 195' FWL

ELEVATION 3746'

OPERATOR CHESAPEAKE OPERATING, INC.

LEASE BERRY 1

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



INTEQ

CHESAPEAKE OPERATING, INC.

Structure : Berry 1-1

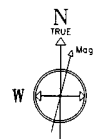
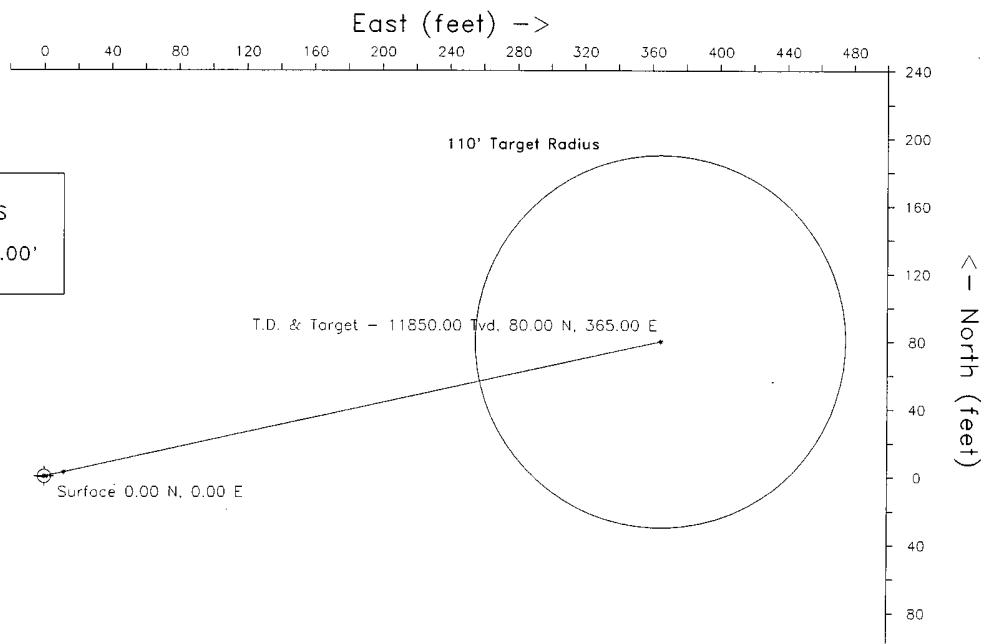
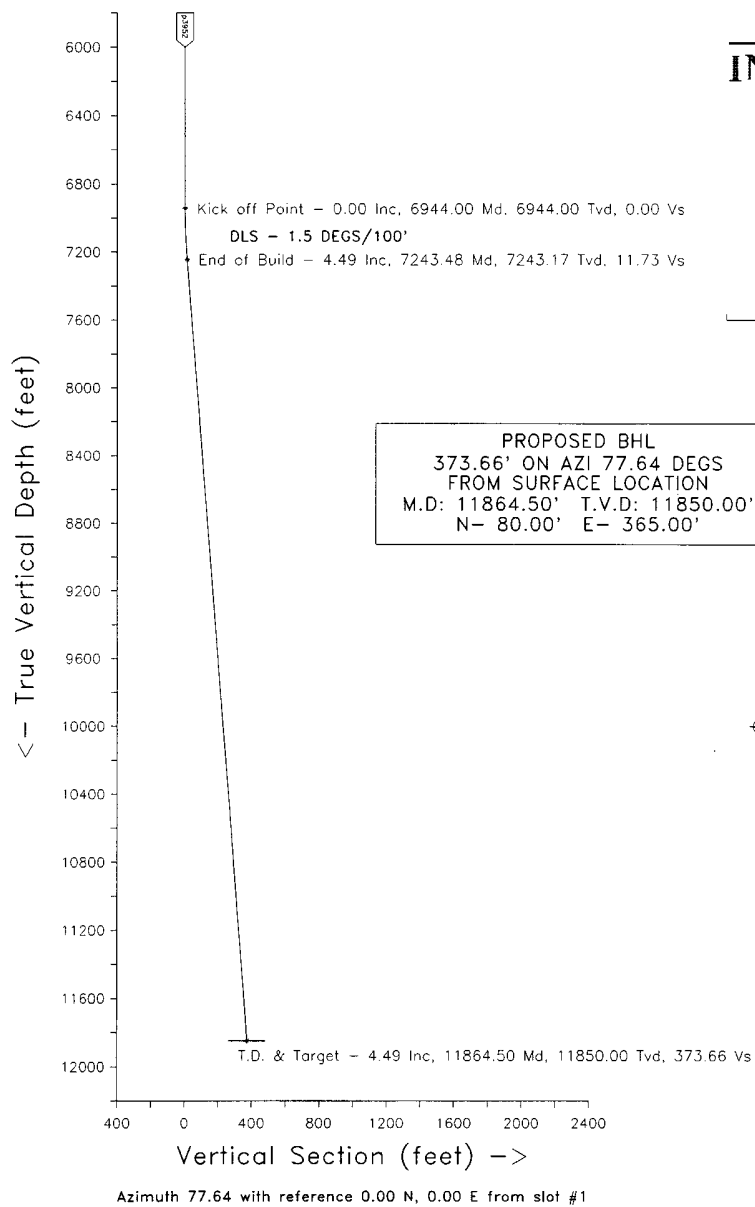
Slot : slot #1

Field : UNKNOWN

Location : LEA COUNTY, NEW MEXICO

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	77.64	0.00	0.00	0.00	0.00	0.00
KOP	6944.00	0.00	77.64	6944.00	0.00	0.00	0.00	0.00
End of Build	7243.48	4.49	77.64	7243.17	2.51	11.46	11.73	1.50
T.D. & Target TD	11864.50	4.49	77.64	11850.00	80.00	365.00	373.66	0.00



8-Jul-2003 (source: BGGM)
Magnetic North is 8.60 degrees East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.60 deg

Created By kellym
Date plotted : 18-Jul-2003
Plot Reference is P2 2DJ RC .
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.
berry1r2
--- Baker Hughes INTEQ ---

CHESAPEAKE OPERATING, INC.
 Berry 1-1,slot #1
 UNKNOWN,LEA COUNTY, NEW MEXICO

PROPOSAL LISTING Page 1
 Your ref : P2 2DJ RC
 Last revised : 18-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
0.00	0.00	77.64	0.00	0.00	N 0.00 E	0.00	0.00
500.00	0.00	77.64	500.00	0.00	N 0.00 E	0.00	0.00
1000.00	0.00	77.64	1000.00	0.00	N 0.00 E	0.00	0.00
1500.00	0.00	77.64	1500.00	0.00	N 0.00 E	0.00	0.00
2000.00	0.00	77.64	2000.00	0.00	N 0.00 E	0.00	0.00
2500.00	0.00	77.64	2500.00	0.00	N 0.00 E	0.00	0.00
3000.00	0.00	77.64	3000.00	0.00	N 0.00 E	0.00	0.00
3500.00	0.00	77.64	3500.00	0.00	N 0.00 E	0.00	0.00
4000.00	0.00	77.64	4000.00	0.00	N 0.00 E	0.00	0.00
4500.00	0.00	77.64	4500.00	0.00	N 0.00 E	0.00	0.00
5000.00	0.00	77.64	5000.00	0.00	N 0.00 E	0.00	0.00
5500.00	0.00	77.64	5500.00	0.00	N 0.00 E	0.00	0.00
6000.00	0.00	77.64	6000.00	0.00	N 0.00 E	0.00	0.00
6500.00	0.00	77.64	6500.00	0.00	N 0.00 E	0.00	0.00
6944.00	0.00	77.64	6944.00	0.00	N 0.00 E	0.00	0.00
7044.00	1.50	77.64	7043.99	0.28	N 1.28 E	1.50	1.31
7144.00	3.00	77.64	7143.91	1.12	N 5.11 E	1.50	5.23
7243.48	4.49	77.64	7243.17	2.51	N 11.46 E	1.50	11.73
7500.00	4.49	77.64	7498.91	6.81	N 31.09 E	0.00	31.83
8000.00	4.49	77.64	7997.37	15.20	N 69.34 E	0.00	70.99
8500.00	4.49	77.64	8495.83	23.58	N 107.59 E	0.00	110.15
9000.00	4.49	77.64	8994.30	31.97	N 145.85 E	0.00	149.31
9500.00	4.49	77.64	9492.76	40.35	N 184.10 E	0.00	188.47
10000.00	4.49	77.64	9991.23	48.74	N 222.35 E	0.00	227.63
10500.00	4.49	77.64	10489.69	57.12	N 260.61 E	0.00	266.79
11000.00	4.49	77.64	10988.15	65.50	N 298.86 E	0.00	305.95
11500.00	4.49	77.64	11486.62	73.89	N 337.11 E	0.00	345.12
11864.50	4.49	77.64	11850.00	80.00	N 365.00 E	0.00	373.66 TD

CHESAPEAKE OPERATING, INC.

Berry 1-1

slot #1

UNKNOWN

LEA COUNTY, NEW MEXICO

P R O P O S A L L I S T I N G

by

Baker Hughes INTEQ

Your ref : P2 2DJ RC

Our ref : prop3952

License :

Date printed : 18-Jul-2003

Date created : 18-Jul-2003

Last revised : 18-Jul-2003

Field is centred on n33 30 0.000,w103 30 0

Structure is centred on n33 30 0.000,w103 30 0

Slot location is n33 30 0.000,w103 30 0.000

Slot Grid coordinates are N 910447.292, E 754038.883

Slot local coordinates are 0.00 N 0.00 E

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

Reference North is True North

All data is in feet unless otherwise stated.
 Coordinates from slot #1 and TVD from rotary table.
 Bottom hole distance is 373.66 on azimuth 77.64 degrees from wellhead.
 Vertical section is from N 0.00 E 0.00 on azimuth 77.64 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
 Berry 1-1, slot #1
 UNKNOWN, LEA COUNTY, NEW MEXICO

PROPOSAL LISTING Page 2
 Your ref : P2 2DJ RC
 Last revised : 18-Jul-2003

				Comments in wellpath
				=====
MD	TVD	Rectangular Coords.		Comment

11864.50	11850.00	80.00 N	365.00 E	TD

Targets associated with this wellpath				
=====				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised

TD		11850.00	80.00N 365.00E	18-Jul-2003