•	BUREAU OF LAN	F THE INTERIOR	N Reverse 6102 (6)		ENTIAL - TIGHT DESIGNATION AND SE		
AF	PPLICATION FOR PERM		PEN		1 112936		
a TYPE OF WORK:			· · · · · · · · · · · · · · · · · · ·	6.1F INDIA	N, ALLOTTEE OR TRI	BE NAME	
b. TYPE OF WELL:				7.UNIT AG	REEMENT NAME		
	WELL Other	ZONE	MULTIPLE	8 FARM O	R LEASE NAME, WEL		
2 NAME OF OPERAT	FOR CHESAPEAKE OPERATI	NG. INC. Linda Good	1. 1. 1.7.70)		N 1 FEDERAL	L 35 Y 6	
3. ADDRESS AND TE		NG, INC. Linda Good		9.API WEI	L NO.	6	
	P.O. BOX 18496 OKLAHOMA		405-767-4275		D. D25-	<u>3151</u>	
A. LOCATION OF WE	LL (Report location clearly and in ac	Scordance with any State requirements		Y	PERMO		
At surface: 109 Fl	NL 1579 FWL NE NW SEC 1 TI IS	R33E, LOT 3			R.,M.,OR BLOCK AND		
At BHJ oc 810 F	NL 2130 FWL NE NW SEC 1 T11S	PARE LOT 3		1-11S-	33E		
	D DIRECTION FROM NEAREST TOWN OF			1 12. COUN	TY OR PARISH	13. STATE	
	miles West of Tatum, NM.				COUNTY	NM	
15.DISTANCE FROM PROP		16.NO. OF ACRES IN LEASE			17.NO. OF ACRE		
LOCATION TO NEARES PROPERTY OR LEASE I	ST LINE, FT.	367.280			TO THIS WE		
(Also to nearest drlg. unit lir 18.DISTANCE FROM PROPO		19.PROPOSED DEPTH			40 20.ROTARY OR	CABLE TOOLS*	
TO NEAREST WELL, DE OR APPLIED FOR, ON T	RILLING, COMPLETED,	9900			Rotary		
21.ELEVATIONS (Show when	ther DF, RT, GR, etc.)			22. A	PPROX. DATE WORK	WILL START*	
4205 GR		Roswell Controlled	l Water Basin				
23. SIZE OF HOLE	GRADE, SIZE OF CASING	PROPOSED CASING AND CE	MENTING PROGRAM			V OF CENENT	
"	"	#	SETTING DEFTH			QUANTITY OF CEMENT	
"	"	#	6		+/-		
	"	#			+/		
and the well con	erating, Inc. proposes to dr npleted. If dry, the well will						
and the well com requirements. Please find the S Please be advise Operating, Inc. a		be plugged and abandon ng Plan as required by Or ting, Inc. is considered to	ed as per BLM and N hshore Order No. 1. be the Operator of th	ew Méxic	co Oil Conserv	ation Divisio	
and the well com requirements. Please find the S Please be advise Operating, Inc. a lands.	npleted. If dry, the well will Surface Use Plan and Drillir ed that Chesapeake Opera agrees to be responsible un	be plugged and abandoning Plan as required by Or ting, Inc. is considered to der the terms and condition	ed as per BLM and N nshore Order No. 1. be the Operator of th ons of the lease for th	ew Méxic e above i ne operati	mentioned well	ation Divisio	
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DISTRICT I 1825 N. French Dr., Hobbs, NM 88240 DISTRICT II

811 South First, Artesia, NM 88210

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

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code API Number Pool Name 33660 Permo Penn 30-025-37571 **Property Code** Well Number **Property** Name 35268 KLEIN "1" FEDERAL 1 147179 **Operator** Name Elevation CHESAPEAKE OPERATING INC. 4205' Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County LOT 3 1 11 S 33 E 109 NORTH 1579 LEA WEST 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 LOT 3 1 33 E 11 S 810 NORTH 2130 WEST LEA **Dedicated** Acres Joint or Infill Consolidation Code Order No. 1310 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 ວ*ร.*โ. -1579' OPERATOR CERTIFICATION Lat.: N33.3954* Long.: W103.5705* ંજુ I hereby certify the the information (NAD 27) 8 contained herein is true and pomplete to the best of my knowledge and belief. - 2130' .Э́₿.Н. Lat.: N33.3935* (NAD 27) Long.: W103.5687* 10T 4 51.41 AC. LOT 3 - 51,69 AC. LOT 2 - 51.95 AC. | LOT 1 - 52.23 AC. 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 supervison, and that the same is true and correct to the best of my belief. APRIL 11, 2005 Date Surveyed Stal. ODNES Signatur Secia 6nG Profes Per LT 797









Exhibit <u>A-5</u>

HUMBLE STATE • 3-C HUMBLE STATE HUMBLE STA ^{6-CC} 34 • 1-6 •7-CC HUMBLE STATE HUMBLE STA • 1-0 **∻4-CC** HUMBLE STATE MUMBLE STATE • 2-¢ •5-CC Federal STATE OG 5 14 F-1 6 •EF-4 2 FEDERAL MOKINLEY ٠ TATE D STATE C GUYETATE OF NEW MEXICO STA ÷ 1 • 2 • C-2 • 1 GUYE STATE OF N GUYE TATE STATE BTC ° 6 • 4 • 1 • C-1 11 12 GUYE STATE OF N • 3 1000 0 1000 2000 <u>3000</u> ft Ν CHESAPEAKE Chesapeake **OPERATING, INC.** KLEIN 1 FEDERAL #1 Sec 1, T11S-R33E Lea, NM dagTatumBasinKlein1Fed1Plat.gmp Date: 26 April, 2005 Geologist: DAG

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Exhibit _____



Exhibit <u>C-</u>



1 L 3-12-04

Patterson-UTI Drilling Company

Rig #54

DRAWWORKS

Mid Continent U-36-A Brake: Hydromatic Parkersburg 22" double Totco Weight Indicator Brewster 2 engine compound 1 1/8" Drilling Line

ENGINES

Two Cat 3406 engines, 440 HP each

DERRICK

L. C. Moore, 127', 450,000# rated capacity

SUBSTRUCTURE

L. C. Moore, 17' high, 450,000# rated capacity, KB – 17.5', Rotary Clearance – 13'

MUD PUMPS

Pump #1: Ideco MM700 w/Cat D379, 700 HP Pump #2: Emsco DB700 w/Cat D379, 700 HP

DRILL STRING

Grade E, 4 $\frac{1}{2}$, XH drill pipe 30 - 6" x 2 $\frac{1}{4}$ " 30' long drill collars 10 - 8" x 2 1/4" 6 5/8 Reg drill collars

BLOWOUT PREVENTERS

13 5/8" 3000# Shaffer Type E double ram, 13 5/8" 3000# Hydril GK, 80 gal 5 station Koomey, Air/Electric, 4" 3000# manifold

MUD SYSTEM

1 450 bbl tank and 1 200 bbl premix tank w/5x6 centrifugal pump, 1 electric stirrer

COMMUNICATIONS

24 hour direct cellular telephone

OTHER EQUIPMENT

Blocks. Ideco 250 ton Hook. Ideco Shorty 160 Swivel. Oilwell PC 300 Rotary Table. Ideco 23" 175 Ton Shale Shaker. Brandt single double screen Electrical Power. 1-155 KW 3306 1-210 KW 3306 Fresh Water Storage. Two 500 bbl tanks Housing.

"Hole Requirements will dictate actual Reserve Pit size (TOOLPUSHER SHOULD BE CONSULTED)"



Exhibit D

11,500'

1. (For BLM Use) BLM Report No.	2. (For BLM Use) Reviewer's Initials/			3. NMCRIS	Number: 92702		
	Accepted () Re		-		· · · · · · · · · · · · · · · · · · ·		
4. Type of Report:	Negative (X)		Positive ()				
5. Title of Report: A Class III Cultu No. 1 Well Pad and Access Road	iral Resource Survey f	ederal 6.	6. Fieldwork Date(s): April 27, 2005				
Author(s): Justin Rein			7.	Report Date: A	April 28, 2005		
8. Consultant Name/Address: Boo	one Archaeological Se		O the of Deces	Demit Ne - 400 2020 05 E			
Direct Charge: Danny Boone		3.	Cunurai Resor	urce Permit No.: 190-2920-05-F			
Field Personnel Names: Justin Rei	ដា						
Address: 2030 North Canal Carlsbad, New Mexico 88		10	0. Consultant R	teport No.: BAS-01-05-39			
Phone (505) 885-1352							
11. Customer Name: Chesapeake Responsible Individual: Sharon E.			12. Custon	istomer Project No.:			
Address: PO Box 18496 Oklahoma City, OK 73154	-0496						
Phone: (405) 767-4275	<u></u>	· · · · · · · · · · · · · · · · · · ·					
13. Land Status	BLM	State	Private	Other	Total		
a. Area Surveyed (acres)	16.29				16.29		
b. Area of Effect (acres)	7.68				7.68		
	and the second se	Midth <u>600 ft</u> Width <u>100 ft</u>					
15. Location (Map[s] Attached):			2				
a. State: New Mexico							
b. County: Lea County							
c. BLM Office: Carlsbad Field Offic	29						
d. Nearest City or Town: Tatum, N	New Mexico						
e. Legal Description: T 10 S, R 33	E, Section 33: SW% E, Section 1: N% NM	SE% V%, N% NE% (irreg he northern margin	gular section, t	emplate anchore	ed in the northeast corner and		
f. Well Pad Footages: The Klein "1	Fed No. 1 is center	ed 109 feet from th	ne north line an	d 1,579 feet from	n the west line of Section 1.		
g. USGS 7.5' Map Name(s), Date(

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16.	Project Data: a. Records Search: Date(s) of BLM File Review: April 27, 2005 Name of Reviewer(s): Justin Rein Date(s) of ARMS Data Review April 27, 2005 Name of Reviewer(s): Justin Rein Findings (see Field Office requirements to determine area to be reviewed during records search): No previously recorded sites were found within one mile of the project area.
	b. Description of Undertaking: On April 27, 2005, Justin Rein with Boone Archaeological Services, LLC performed a pedestrian cultural resource survey for the proposed Klein "1" Federal No. 1 well pad and associated access road. Sharon Dries, with Chesapeake Operating, Inc. requested the survey and provided plats. The project can be found in Township 11 South, Range 33 East, Section 1 and Township 10 South, Range 33 East, Section 33. The proposed well is centered 109 feet from the north line and 1,579 feet from the west line of Section 1. An existing two-track road leads from a paved road, 3,500 ft west, to the northeast corner of the proposed well location. This two-track will require upgrading and was therefore surveyed for any potential cultural resources. A 600 ft by 600 ft block was surveyed around the well center to ensure protection of cultural materials. Similarly, a 100 ft wide corridor was surveyed along the two-track road. In all, 16.29 acres was surveyed on private property with Federal mineral rights under the jurisdiction of the Bureau of Land Management – Cartsbad Field Office (BLM-CFO).
	c. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.): The project area is located across irrigated crop land roughly 18 miles northwest of Tatum, New Mexico. The elevation averages 4,205 feet above mean sea level. The flat plain slopes gradually downhill, away from a slight rise, towards the northeast at a grade of less than one percent. Local soils are of the Portales-Stegail-Lea association as defined by the Soil Conservation Service of the U.S. Department of Agriculture. A thick carpet of bunch grasses dominates the vegetation and the soil has clearly been tilled. Occasional yucca, thistle, and various low forbes and wild flowers are also included. Due to the vegetative ground cover, surface visibility averaged 65 to 70 percent at the time of survey. A circular irrigated crop area is located within, and beyond, the southeast portion of the project area. A two-track road, barbed-wire fence, and overhead power line travel east to west along the northern portion of the survey. The immediate area is otherwise susceptible to naturally occurring aeolean and alluvial processes.
	Meteorological data was obtained for the nearby town of Tatum, New Mexico from the Western Regional Climate Center (WRCC) online database. From 1919 to 2004, Tatum received an average annual precipitation of 16.01 inches. During the same time, Carisbad had an average high temperature of 74.7 degrees Fahrenheit and an average low temperature of 42.1 degrees Fahrenheit. January was the coldest month averaging 55.4 degrees Fahrenheit, while July was the warmest on average at 92.6 degrees Fahrenheit.
•	d. Field Methods (transect intervals; crew size; time in field; etc.): A crew of one spent 1.5 hours surveying the project area. A 15 m transect interval was used.
	e. Artifacts Collected?: None
17	. Cultural Resource Findings: No cultural materials were encountered.
	a. Location/Identification of Each Resource: N/A
	b. Evaluation of Significance of Each Resource: N/A
18	. Management Summary (Recommendations): No cultural materials were encountered during the survey. As such, archaeological clearance is recommended for the proposed Klein "1" Fed No. 1 well and associated access road. If any cultural materials are encountered during construction, work at that location should cease and archaeologists with the BLM-CFO should be notified immediately.

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I certify the information provided above is correct and accurate and meets all applicable BLM standards.

Signature

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Responsible Archaeologist

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4.29.05 Date



Survey for the Klein "1" Federal No. 1 Well Pad and Access Road

BAS-01-05-39

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Fyhihit 1

Strata Directional Technology, Inc. Planning Report

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Field: Le Site: Kl Well: Fe	HESAPEAKI ea County, Ne lein 1 ederal 1 riginal Hole		CORPORATI	ON	C V S	Date: 04/26 Co-ordinate(N /ertical (TVD Section (VS) F Survey Calcul) Reference leference:	ice: e:	ne: 13:46 Site: Klei SITE 0.0 Well (0.0 Minimum	n 1, Gri 0N,0.00)E,143.86		1 Adapti
Field:	Lea County,	New Mexico	•										
Map System: Geo Datum: Sys Datum:	NAD27 (Clar	rke 1866)	ate System 192	27		Map Zone Coordina Geomagn		S	lew Mexico Site Centre grf2005	o, Easte	m Zone		
Site:	Klein 1												
Site Position: From: Position Unce Ground Leve	Geographic ertainty:	0.00 0.00			8.92 ft 4.14 ft	Latitude: Longitude North Re Grid Con	ference:		23 43.00 34 13.00 Gri 0.4	D W			
Well:	Federal 1					Slot Name	*		<u>.</u>				
Well Position Position Unco	+E/-\		ft Easting:	,	8.92 ft 4.14 ft	Latitude: Longitude	*:		23 43.00 34 13.00				
Wellpath:	Original Hole	e				Drilled Fi		5	Surface				
Current Datu Magnetic Da Field Strengt Vertical Sect	ta: h:	04/26/2005 49983 From (TVI ft	nT	Height (+N/-S ft	0.00 ft	Tie-on De Above Sy Declinatio Mag Dip +E/-W ft	stem Datun on:	J	Vean Sea L 8.4	0 ft .evel 0 deg 3 deg			
		0.00		0.00		0.00		14	3.86				
Principal:	Plan #2 No					Date Con Version: Tied-to:	posed:		04/26/2005 1 From Surfa				
Plan Section MD	Information Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Tu	rn T	FO	Target		
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9967.99	9.05	143.86	4650.43	-28.78	21.01		2.00				PBHL		
	9.05	143.86	4650.43	-28.78	21.01	0.00	2.00 0.00	0 LS		0.00 Tur	ħ	C	omment
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9967.99 Survey MD ft 4200.00 4300.00 4400.00	9.05 9.05 Incl deg 0.00 2.00 4.00	143.86 143.86 Azim deg 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64	21.01 513.90 E/W ft	0.00 V Vs ft 0.00 1.03 4.12	2.00 0.00 0.00 0.00 1.75 6.98	0 LS /100ft 0.00 2.00 2.00	.00 Build deg/100ft 0.00 2.00 2.00	0.00 Tur deg/1 (n OOft	C	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00	143.86 143.86 Azim deg 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67	21.01 513.90 E/W ft	0.00 y Vs ft 0.00 1.03 4.12 9.25	2.00 0.00 0.00 0.00 1.75 6.98 15.69	0 LS /100ft 0.00 2.00 2.00 2.00 2.00	.00 Build deg/100ft 0.00 2.00 2.00 2.00	0.00 Tur deg/1 ((((n 00ft).00).00).00).00).00	C	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00	143.86 143.86 Azim deg 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45 4598.70	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52	21.01 513.90 E/W ft	0.00 V VS ft 0.00 1.03 4.12 9.25 1 6.44	2.00 0.00 0.00 1.75 6.98 15.69 27.88	0 LS /100ft 2.00 2.00 2.00 2.00 2.00	.00 Build deg/100ft 0.00 2.00 2.00	0.00 Tur deg/1 ((((n 00ft).00).00).00	C	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00 4652.31	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00 9.05	143.86 143.86 Azim deg 143.86 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45 4598.70 4650.43	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52 -28.78	21.01 513.90 E/W ft 1	0.00 V VS ft 0.00 1.03 4.12 9.25 1 6.44 2 21.01	2.00 0.00 0.00 1.75 6.98 15.69 27.88 35.63	0 LS /100ft 2.00 2.00 2.00 2.00 2.00 2.00	.00 Build deg/100ft 0.00 2.00 2.00 2.00 2.00 2.00	0.00 Tur deg/1 (((((((((((((((((((n 00ft).00).00).00).00).00).00	C	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00	143.86 143.86 Azim deg 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45 4598.70 4650.43 4697.53	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52	21.01 513.90 E/W ft 1 2 2	0.00 V VS ft 0.00 1.03 4.12 9.25 6.44 2 2.1.01 3 5.44	2.00 0.00 0.00 1.75 6.98 15.69 27.88	0 LS /100ft 2.00 2.00 2.00 2.00 2.00	.00 Build deg/100ft 0.00 2.00 2.00 2.00 2.00 2.00 0.00	0.00 Tur deg/1 (((((((((((((((((((n 00ft).00).00).00).00).00).00).00	C	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00 4652.31 4700.00 4800.00 4900.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00 9.05 9.05 9.05 9.05	143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45 4598.70 4650.43 4697.53 4796.29 4895.04	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52 -28.78 -34.83 -47.53 -60.23	21.01 513.90 E/W ft 1 2 2 3 4	0.00 V VS ft 0.00 1.03 4.12 9.25 1.6.44 2.1.01 3.5.44 4.71 5.44 4.71 5.44 4.71 5.44 4.71 5.44 4.5 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.4	2.00 0.00 deg 0.00 1.75 6.98 5.69 27.88 35.63 13.13 38.85 74.58	0 LS /100ft 2.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	.00 Build deg/100ft 0.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	0.00 Tur: deg/1 (((((((((((((((((((n 00ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	C	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00 4652.31 4700.00 4800.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00 9.05 9.05 9.05 9.05	143.86 143.86 Azim deg 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45 4598.70 4650.43 4697.53 4796.29 4895.04	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52 -28.78 -34.83 -47.53	21.01 513.90 E/W ft 1 2 2 3 4	0.00 V VS ft 0.00 1.03 4.12 9.25 1.6.44 2.1.01 3.5.44 4.71 5.44 4.71 5.44 4.71 5.44 4.71 5.44 4.5 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.4	2.00 0.00 deg 0.00 1.75 6.98 (5.69 27.88 35.63 13.13 58.85	0 LS /100ft 2.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	.00 Build deg/100ft 0.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	0.00 Tur: deg/1 (((((((((((((((((((n 00ft).00).00).00).00).00).00).00).0	C	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00 4652.31 4700.00 4800.00 4800.00 5000.00 5100.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00 9.05 9.05 9.05 9.05 9.05 9.05	143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45 4598.70 4650.43 4697.53 4796.29 4895.04 4993.80	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52 -28.78 -34.83 -47.53 -60.23 -72.93 -85.62	21.01 513.90 E/W ft 1 2 2 3 3 4 5 6	0.00 V VS ft 0.00 1.03 4.12 9.25 1.01 5.44 4.71 5.44 4.71 5.398 5.325 9.252 10	2.00 0.00 0.00 1.75 6.98 15.69 27.88 35.63 13.13 88.85 74.58 90.30 06.02	0 LS /100ft 0.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	.00 Build deg/100ft 0.00 2.00 2.00 2.00 2.00 0.00 0.00 0.0	0.00 Tur deg/1 (((((((((((((((((((n 00ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	C	mment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00 4652.31 4700.00 4800.00 4800.00 5000.00 5100.00 5200.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00 9.05 9.05 9.05 9.05 9.05 9.05 9.05	143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4499.45 4598.70 4650.43 4697.53 4796.29 4895.04 4993.80 5092.55 5191.31	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52 -28.78 -34.83 -47.53 -60.23 -72.93 -85.62 -98.32	21.01 513.90 E/W ft 1 2 2 3 4 5 6 7	0.00 V VS ft 0.00 1.03 4.12 9.25 5.44 4.71 5.3.98 5.252 10 1.80 12	2.00 0.00 0.00 1.75 6.98 15.69 27.88 35.63 13.13 88.85 74.58 90.30 06.02 21.75	0 LS /100ft 2.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	.00 Build deg/100ft 0.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	0.00 Tur: deg/1 (((((((((((((((((((n 00ft).00).00).00).00).00).00).00).0	Co	omment
9967.99 Survey MD ft 4200.00 4300.00 4400.00 4500.00 4600.00 4652.31 4700.00 4800.00 4800.00 5000.00 5100.00	9.05 9.05 Incl deg 0.00 2.00 4.00 6.00 8.00 9.05 9.05 9.05 9.05 9.05 9.05 9.05 9	143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86 143.86	4650.43 9900.00 TVD ft 4200.00 4299.98 4399.84 4399.84 4499.45 4598.70 4650.43 4697.53 4796.29 4895.04 4697.53 5092.55 5191.31 5290.07	-28.78 -703.75 N/S ft 0.00 -1.41 -5.64 -12.67 -22.52 -28.78 -34.83 -47.53 -60.23 -72.93 -85.62	21.01 513.90 E/W ft 1 2 2 3 4 5 6 6 7 8	0.00 V VS ft 0.00 1.03 4.12 9.25 6.44 21.01 3.5.44 44.71 5.44 44.71 5.44 44.71 5.3.25 5.32.52 10 1.80 12 31.07 13	2.00 0.00 0.00 1.75 6.98 15.69 27.88 35.63 13.13 88.85 74.58 90.30 06.02	0 LS /100ft 0.00 2.00 2.00 2.00 2.00 2.00 0.00 0.0	.00 Build deg/100ft 0.00 2.00 2.00 2.00 2.00 0.00 0.00 0.0	0.00 Tur: deg/1 (((((((((((((((((((n 00ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Co	omment
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Exhibit <u>G-a</u>

Strata Directional Technology, Inc. Planning Report

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eld: Le ae: Kle ell: Fe	a County, Ne ein 1 deral 1 iginal Hole	E ENERGY CC		JN	Vertical Section	04/26/2005 nate(NE) Ref (TVD) Refer (VS) Referen Calculation N	erence: ence: ce:	SITE 0.0 Well (0.0	n 1, Grið Nort	
nrvey MD	Incl	Azim	TVD	N/S	E/W	vs	DLS	Build	Turn	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
5800.00	9.05	143.86	5783.85	-174.51	127.43	216.08	0.00	0.00	0.00	
5900.00	9.05	143.86	5882.60	-187.21	136.70	231.81	0.00	0.00	0.00	
6000.00	9.05	143.86	5981.36	-199.90	145.97	247.53	0.00	0.00	0.00	
6100.00	9.05	143.86	6080.12	-212.60	155.25	263.25	0.00	0.00	0.00	
6200.00	9.05	143.86	6178.87	-225.30	164.52	278.97	0.00	0.00	0.00	
6300.00	9.05	143.86	6277.63	-238.00	173.79	294.70	0.00	0.00	0.00	
6400.00	9.05	143.86	6376.39	-250.70	183.06	310.42	0.00	0.00	0.00	
6500.00	9.05	143.86	6475.14	-263.39	192.34	326.14	0.00	0.00	0.00	
6600.00	0.05	142.86	6573 00	276.00	201 61	341.87	0.00	0.00	0.00	
6600.00 6700.00	9.05 9.05	143.86 143.86	6573.90 6672.65	-276.09 -288.79	201.61 210.88	341.87	0.00	0.00	0.00	
6800.00	9.05	143.86	6771.41	-301.49	220.15	373.31	0.00	0.00	0.00	
6900.00	9.05	143.86	6870.17	-314.19	229.43	389.04	0.00	0.00	0.00	
7000.00	9.05	143.86	6968.92	-326.88	238.70	404.76	0.00	0.00	0.00	
7100.00	0.05	142 96	7067.68	220 50	247 07	420.48	0.00	0.00	0.00	
7100.00 7200.00	9.05 9.05	143.86 143.86	7067.68	-339.58 -352.28	247.97 257.24	420.48 436.20	0.00	0.00	0.00	
7300.00	9.05	143.86	7265.19	-364.98	266.51	450.20	0.00	0.00	0.00	
7400.00	9.05	143.86	7363.95	-377.67	275.79	467.65	0.00	0.00	0.00	
7500.00	9.05	143.86	7462.70	-390.37	285.06	483.37	0.00	0.00	0.00	
7600.00	9.05	143.86	7561.46	-403.07	294.33	499.10	0.00	0.00	0.00	
7600.00	9.05 9.05	143.86	7561.46	-403.07 -415.77	294.33 303.60	499.10 514.82	0.00	0.00	0.00	
7800.00	9.05	143.86	7758.97	-428.47	312.88	530.54	0.00	0.00	0.00	
7900.00	9.05	143.86	7857.73	-441.16	322.15	546.26	0.00	0.00	0.00	
8000.00	9.05	143.86	7956.49	-453.86	331.42	561.99	0.00	0.00	0.00	
8100.00	9.05	143.86	8055.24	-466.56	340.69	577.71	0.00	0.00	0.00	
8100.00	9.05 9.05	143.86	8055.24 8154.00	-400.00 -479.26	340.69 349.96	593.43	0.00	0.00	0.00	
8300.00	9.05	143.86	8252.75	-491.96	359.24	609.16	0.00	0.00	0.00	
8400.00	9.05	143.86	8351.51	-504.65	368.51	624.88	0.00	0.00	0.00	
8500.00	9.05	143.86	8450.27	-517.35	377.78	640.60	0.00	0.00	0.00	
8600.00	9.05	143.86	8549.02	-530.05	387.05	656.32	0.00	0.00	0.00	
8700.00	9.05	143.86	8647.78	-542.75	396.33	672.05	0.00	0.00	0.00	
8800.00	9.05	143.86	8746.53	-555.44	405.60	687.77	0.00	0.00	0.00	
8900.00	9.05	143.86	8845.29	-568.14	414.87	703.49	0.00	0.00	0.00	
9000.00	9.05	143.86	8944.05	-580.84	424.14	719.22	0.00	0.00	0.00	
9100.00	9.05	143.86	9042.80	-593.54	433.41	734.94	0.00	0.00	0.00	
9200.00	9.05 9.05	143.86	9042.80 9141.56	-593.54 -606.24	433.41 442.69	750.66	0.00	0.00	0.00	
9300.00	9.05	143.86	9240.32	-618.93	451.96	766.39	0.00	0.00	0.00	
9400.00	9.05	143.86	9339.07	-631.63	461.23	782.11	0.00	0.00	0.00	
9500.00	9.05	143.86	9437.83	-644.33	470.50	797.83	0.00	0.00	0.00	
9600.00	9.05	143.86	9536.58	-657.03	479.78	813.55	0.00	0.00	0.00	
9700.00	9.05 9.05	143.86	9536.56 9635.34	-669.73	479.78	829.28	0.00	0.00	0.00	
9800.00	9.05	143.86	9734.10	-682.42	498.32	845.00	0.00	0.00	0.00	
9900.00	9.05	143.86	9832.85	-695.12	507.59	860.72	0.00	0.00	0.00	
9967.99	9.05	143.86	9900.00	-703.75	513.90	871.41	0.00	0.00	0.00	PBHL
argets										
Nome			TVD	+N/-S	+E/-W	Map	Map		Latitude	> < Longitude Deg Min Sec
Name	De Di	escription p. Dir.	ft	+IN/-S ft	+E/-W	Northing ft	Easting ft	Deg	Min Sec	weg min see
Surface		-	0.00	0.00	0.00	872178.92	732894.1	4 33	23 43.000 N	103 34 13.000
PBHL			9900.00	-703.75	513.90	871475.16	733408.0	4 33	23 36.000 N	103 34 7.000

Strata Directional Technology, Inc. Planning Report

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Site: Well: Wellpath:	Klein 1 Federal 1 Original Hole	Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Well (0.00N,0.00E,143.86 Minimum Curvature	iAzi) Db: Adapti
-----------------------------	---------------------------------------	------------------------------------------------------------------------------------	-----------------------------------------------	---------------------

MD ft	TVD ft	Diameter in	Hole Size in	Name	
450.00	450.00	13.375	17.500	13 3/8"	
4000.00	4000.00	8.625	9.875	8 5/8"	
9967.99	9900.00	5.500	6.500	5 1/2"	

DRILLING PROGRAM

Page 1

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal and Indian Oil and Gas Leases

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (CFR 43, Part 3160) and the approved Application for Permit to Drill. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling and completion operations.

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease, which would entitle the applicant to conduct operations thereon.

1. FORMATION TOPS

Formation	Depth	Subsea
Rustler	1855	2350
Yates	2570	1635
Seven Rivers	2775	1430
Queen	3275	930
San Andres	3865	340
*San Andres PI mkr	4395	-190 (OIL)
Glorieta	5280	-1075
Tubb	6720	-2515
*Abo	7540	-3335 (OIL)
Wolfcamp	8790	-4540
*Bough C	9605	-5400 (OIL)
TD	9900	

The estimated tops of important geologic markers are as follows:

2. <u>ESTIMATED DEPTH OF WATER, OIL, GAS & OTHER MINERAL BEARING</u> FORMATIONS

The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

DRILLING PROGRAM

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Substance	Formation	<u>Depth</u>
Oil/Gas	San Andres PI mkr	4395
Oil/Gas	Abo	7540
Oil/Gas	Bough C	9605

All shows of fresh water and minerals will be reported and protected.

3. <u>BOP EQUIPMENT</u>: 3,000# System

Chesapeake Operating, Inc.'s minimum specifications for pressure control equipment are as follows:

- I. BOP, Annular, Choke Manifold, Pressure Test See Exhibit F-1 and F-2.
 - A. Equipment
 - 1. The equipment to be tested includes all of the following that is installed on the well:
 - (a) Ram-type and annular preventers,
 - (b) Choke manifolds and valves,
 - (c) Kill lines and valves, and
 - (d) Upper and lower kelly cock valves, inside BOP's and safety valves.
 - B. Test Frequency
 - 1. All tests should be performed with clear water,
 - (a) when installed,
 - (b) before drilling out each casing string,
 - (c) at any time that there is a repair requiring a pressure seal to be broken in the assembly, and
 - (d) at least once every 30 days while drilling.
 - C. Test Pressure
 - 1. In some drilling operations, the pressures to be used for low and high-pressure testing of preventers and casing may be different from those given below due to governmental regulations, or approved local practices.
 - 2. If an individual component does not test at the low pressure, **do not**, test to the high pressure and then drop back down to the low pressure.
 - 3. All valves located downstream of a valve being tested must be placed in the open position.
 - 4. All equipment will be tested with an initial "low pressure" test at 250 psi.
 - 5. The subsequent "high pressure" test will be conducted at the rated working pressure of the equipment for all equipment except the annular preventer.
 - 6. The "high pressure" test for the annular preventer will be conducted at 70% of the rated working pressure. BURST $P_{RESSURE}$
 - 7. A record of all pressures will be made on a pressure-recording chart.

* SEE STIPS

DRILLING PROGRAM

- D. Test Duration
 - 1. In each case, the individual components should be monitored for leaks for <u>5</u> <u>minutes</u>, with no observable pressure decline, once the test pressure as been applied.
- II. Accumulator Performance Test
 - A. Scope
 - 1. The purpose of this test is to check the capabilities of the BOP control systems, and to detect deficiencies in the hydraulic oil volume and recharge time.
 - B. Test Frequency
 - 1. The accumulator is to be tested each time the BOP's are tested, or any time a major repair is performed.
 - C. Minimum Requirements
 - The accumulator should be of sufficient volume to supply 1.5 times the volume to close and hold all BOP equipment in sequence, <u>without recharging</u> and the <u>pump turned off</u>, and have remaining pressures of <u>200 PSI above the</u> <u>precharge pressure</u>.
 - 2. Minimum precharge pressures for the various accumulator systems per <u>manufacturers recommended specifications</u> are as follows:
 - 3.

System Operating Pressures	Precharge Pressure
1500 PSI	750 PSI
2000 PSI	1,000 PSI
3000 PSI	1,000 PSI

- 3. Closing times for the Hydril should be less than <u>20 seconds</u>, and for the ramtype preventers less than <u>10 seconds</u>.
- 4. System Recharge time should not exceed 10 minutes.

D. Test Procedure

- 1. Shut accumulator pumps off and record accumulator pressure.
- 2. In sequence, close the annular and one set of properly sized pipe rams, and open the HCR valve.

DRILLING PROGRAM

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- 3. Record time to close or open each element and the remaining accumulator pressure after each operation.
- 4. Record the remaining accumulator pressure at the end of the test sequence. Per the previous requirement, this pressure <u>should not be less</u> than the following pressures:

System Pressure	Remaining Pressure At Conclusion of
	Test
1,500 PSI	950 PSI
2,000 PSI	1,200 PSI
3,000 PSI	1,200 PSI

- 5. Turn the accumulator pumps on and record the recharge time. This time should not exceed **10 minutes.**
- 6. Open annular and ram-type preventers. Close HCR valve.
- 7. Place all 4-way control valves in <u>full open</u> or <u>full closed</u> position. <u>Do not</u> <u>leave in neutral position</u>.

4. CASING AND CEMENTING PROGRAM

a. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Interval</u>	<u>Hole</u> Size	<u>Casing</u> <u>Size</u>	Weight	<u>Grade</u>	Thread	Condition
Surface	0-425'	17-1/2"	13-3/8"	48#	H40	STC	New
Intermediate	425'-4,000'	11"	8-5/8"	24#	J55	STC	New
Production	4,000' - 9,800'	7-7/8"	5-1/2"	17#	L80	LTC	New

b. Casing design subject to revision based on geologic conditions encountered.

c. The cementing program will be as follows:

Interval	Туре	Amount	Yield	Washout	Excess
Surface	35:65 Poz:C (Lead)	245 sx	1.75	20%	100%
	Class C (Tail)	150 sx	1.34		100%
Intermediate	50:50 Poz:C (Lead)	880 sx	2.37	20%	75%
	Class C (Tail)	150 sx	1.34		50%
Production	50:50 Poz:H (Lead)	290 sx	1.94	10%	25%
	50:50 Poz:H (Tail)	425 sx	1.71		25%

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DRILLING PROGRAM

5. MUD PROGRAM

a. The proposed circulating mediums to be used in drilling are as follows:

<u>Interval</u>	Mud Type	Mud Weight	Viscosity	Fluid Loss
Surface	Native/Spud Mud	8.4 - 9.0	29 - 34	N/C
Intermediate	Brine	8.4 - 10.2	28 - 33	N/C
Production	FW-Cut Brine	8.4 - 9.0	28 - 45	10 - 8

A closed system will be utilized consisting of above ground steel tanks. All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. Sanitary wastes will be contained in a chemical porta-toliet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

6. TESTING, LOGGING AND CORING

The anticipated type and amount of testing, logging and coring are as follows:

- a. Drill stem tests are not planned.
- b. The logging program will consist of Natural GR, Density-Neutron, PE & Dual Laterolog from TD to surface casing; Neutron-GR surface casing to surface.
- c. Cores samples are not planned.

7. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

- a. The estimated bottom hole pressure is 3400 psi. No abnormal pressures or temperatures are anticipated.
- b. Hydrogen sulfide gas is not anticipated.

CONFIDENTIAL – TIGHT HOLE

Lease No. NMNM 112936

SURFACE USE PLAN Page 1

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal and Indian Oil and Gas Leases

1. EXISTING ROADS

- a. Existing county roads will be used to enter proposed access road.
- b. Location, access, and vicinity plats attached hereto. See Exhibits A-1 through A-4.

2. PLANNED ACCESS ROADS

- a. A two-track road will be improved for the access road. The two-track road is 3555' in length. An access road of 14' in travel way width with a maximum disturbance area of 30' will be built in accordance with guidelines set forth in the BLM Onshore Orders.
- b. No turnouts are expected.
- c. In order to level the location, cut and fill will be required. Please see attached Well Location and Acreage Dedication Plat Exhibit A1-A4.
- d. A locking gate will be installed at the site entrance.
- e. Any fences cut will be repaired. Cattle guards will be installed, if needed.
- f. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- g. Driving directions are from Tatum, New Mexico, travel West to Hwy 457, then turn North for 4.1 miles. Turn West before Cattle guard for 0.5 miles to location.

3. <u>LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE</u> <u>PROPOSED LOCATION</u> – see Exhibit B.

4. LOCATION OF PRODUCTION FACILITIES

It is anticipated that production facilities will be located on the well pad as product will be sold at the wellhead and/or tank battery. Pipeline will be provided for gas sales by Dynegy. – see Exhibit C1-C-2

5. <u>LOCATION AND TYPE OF WATER SUPPLY</u> Water will be obtained from a private water source. Chesapeake Operating, Inc. will ensure all proper notifications and filings are made with the state.

Lease No. NMNM 112936

SURFACE USE PLAN Page 2

<u>CONSTRUCTION MATERIALS</u> No construction materials will be used from Section 4-20S-33E. All material

(i.e. shale) will be acquired from private or commercial sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

A closed loop system will be utilized consisting of above ground steel tanks. All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. Sanitary wastes will be contained in a chemical porta-toliet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations.

- 8. <u>ANCILLARY FACILITIES</u> None
- <u>WELLSITE LAYOUT</u> The proposed site layout plat is attached showing the Patterson Rig #54. See Exhibit D.
- 10. <u>PLANS FOR RECLAMATION OF THE SURFACE</u> The location will be restored to as near as original condition as possible. Reclamation of the surface shall be done in strict compliance with the existing New Mexico Oil Conservation Division regulations.

Backfilling leveling, and contouring are planned as soon as the drilling rig and steel tanks are removed. Wastes and spoils materials will be buried immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as possible. The rehabilitation will begin after the drilling rig is removed.

11. <u>SURFACE OWNERSHIP</u> Ed & Joel Klein HC 1 Box 41 Tatum, NM 88267 505-398-6670 (home) 505-631-6648 (cell)

CONFIDENTIAL -- TIGHT HOLE

Lease No. NMNM 112936

SURFACE USE PLAN Page 3

<u>Mineral Ownership</u> United States of America Department of Interior Bureau of Land Management

12. ADDITIONAL INFORMATION

A Class III cultural resource inventory report was prepared by Boone Archaeological Services, Carlsbad, New Mexico for the proposed location. A copy of the report has been sent to the BLM office under separate cover and is also attached for reference. See Exhibit E.

13. OPERATOR'S REPRESENTATIVES

Drilling and Completion Operations

Rob Jones District Manager P.O. Box 18496 Oklahoma City, OK 73154 (405) 810-2694 (OFFICE) (405) 879-9573 (FAX) rjones@chkenergy.com

Field Representative

Mike Whitefield 550 West Texas Ave. Midland, TX 79701 432-683-7443 (OFFICE) 432-685-4399 (FAX) mwhitefield@chkenergy.com

Regulatory Compliance

Linda Good Regulatory Compliance Analyst P.O. Box 11050 Oklahoma City, OK 73154 (405) 767-4275 (OFFICE) (405) 879-9583 (FAX) Igood@chkenergy.com

Drilling Engineer

David DeLaO P.O. Box 18496 Oklahoma City, OK 73154 (405) 767-4339 (OFFICE) (405) 879-9573 (FAX) (405) 990-8182 (MOBILE)

Asset Manager

Jeff Finnell P.O. Box 18496 Oklahoma City, OK 73154-0496 405-767-4347 (OFFICE) 405-879-7930 (FAX) jfinnell@chkenergy.com

CONFIDENTIAL – TIGHT HOLE

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SURFACE USE PLAN Page 4

14. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this surface use plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed will be performed by operator (including contractors and subcontractors) submitting the APD, in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

By: J. Mark Lester Date: 6/2/05

SPECIAL DRILLING STIPULATIONS

THE FOLLOWING DATA IS REQUIRED ON THE WELL SIGN

Operator's Name	Chesapeake C	Operating	Inc.	Well Name	& No	Klein Federal #	1
				, T	11	<u>S,</u> R <u>33</u> E.	SHL
Lease No. <u>NM-1</u>	12936		County	Lea	Stat	e <u>New Mexico</u>	

Location 810' FNL & 2130' FWL Sec. 1, T.11S., R.33E. BHL The Special stipulations check marked below are applicable to the above described well and approval of this application to drill is conditioned upon compliance with such stipulations in addition to the General Requirements. The permittee should be familiar with the General Requirements, a copy of which is available from a Bureau of Land Management office. EACH PERMITTEE HAS THE RIGHT OF ADMINISTRATIVE APPEAL TO THESE STIPULATIONS PURSUANT TO TITLE 43 CRF 3165.3 AND 3165.4.

This permit is valid for a period of one year from the date of approval or until lease expiration or termination whichever is shorter.

I. SPECIAL ENVIRONMENT REQUIREMENTS

() Lesser Prairie Chicken (stips attached)	() Flood plain (stips attached)
() San Simon Swale (stips attached)	() Other

II. ON LEASE - SURFACE REQUIREMENTS PRIOR TO DRILLING

(X) The BLM will monitor construction of this drill site. Notify the (x) Carlsbad Field Office at (505) 234-5972 () Hobbs Office (505) 393-3612, at least 3 working days prior to commencing construction.

(X) Roads and the drill pad for this well must be surfaced with <u>6</u> inches of compacted caliche upon completion of well and it is determined to be a producer.

() All topsoil and vegetation encountered during the construction of the drill site area will be stockpiled and made available for resurfacing of the disturbed area after completion of the drilling operation. Topsoil on the subject location is approximately ______inches in depth. Approximately ______cubic yards of topsoil material will be stockpiled for reclamation.

(X) Other. Closed loop system

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III. WELL COMPLETION REQUIREMENTS

() A Communitization Agreement covering the acreage dedicated to the well must be filed for approval with the BLM. The effective date of the agreement must be prior to any sales.

(X) Surface Restoration: If the well is a producer, the reserve pit(s) will be backfilled when dry, and cut-and-fill slopes will be reduced to a slope of 3:1 or less. All areas of the pad not necessary for production must be re-contoured to resemble the original contours of the surrounding terrain, and topsoil must be re-distributed and re-seeded with a drill equipped with a depth indicator (set at depth of $\frac{1}{2}$ inch) with the following seed mixture, in pounds of Pure Live Seed (PLS), per acre.

() A. Seed Mixture 1 (Loamy Sites) Side Oats Grama (<i>Bouteloua curtipendula</i>) 5.0 Sand Dropseed (<i>Sporobolus cryptandrus</i>) 1.0	 () B. Seed Mixture 2 (Sandy Sites) Sand Dropseed (Sporobolus crptandrus) 1.0 Sand Lovegrass (Eragostis trichodes) 1.0 Plains Bristlegrass (Setaria magrostachya) 2.0
() C. Seed Mixture 3 (Shallow Sites) Side oats Grama (<i>Boute curtipendula</i>) 1.0	 () D. Seed Mixture 4 (Gypsum Sites) Alkali Sacaton (Sporobollud airoides) Four-Wing Saltbush (Atriplex canescens)

() OTHER SEE ATTACHED SEED MIXTURE

Seeding should be done either late in the fall (September 15 - November 15, before freeze up, or early as possible the following spring to take advantage of available ground moisture.

(X) Other. Reclamation will be done in accordance with land owner agreement.

RESERVE PIT CONSTRUCTION STANDARDS

The reserve pit shall be constructed entirely in cut material and lined with 6 mil plastic. Mineral material extracted from within the boundary of the APD during construction of the well pad and reserve pits and be used for the construction of this well pad and its immediate access road only, as long as that portion of the access road it is use on remains on-lease. Removal of any additional material from this location for construction or improvement of other well pads and other access or lease roads must first be purchased from BLM.

<u>Reclamation</u>: Reclamation of this type of deep pit will consist of pushing the pit walls into the pit when sufficiently dry to support track equipment. The pit liner is NOT TO BE RUPTURED to facilitate drying; a ten month period after completion of the well is allowed for drying of the pit contents.

The pit area must be contoured to the natural terrain with all contaminated drilling mud buried with at least 3 feet of clean soil. The reclaimed area will then be seeded as specified in this permit.

OPTIONAL PIT CONSTRUCTION STANDARDS

The reserve pit may be constructed in predominantly fill material if:

(1) Lined as specified above and

(2) A temporary or emergency pit may be constructed immediately adjacent to the reserve pit as long as the pit remains within the APD boundary. Mineral material removed from this pit may be used for the construction of this well pad only and its immediate access road, as long as that portion of the access road the material is used on remains on-lease. Removal of any material from the APD boundary for use on other well locations or roads must first be purchased from BLM.

Reclamation of the reserve pit consists of bulldozing all reserve pit contents and contaminants into the borrow pit and covering with a minimum of 3 feet of clean soil material. The entire area must be recontoured, all trash removed, and reseeded as specified in this permit.

CULTURAL

Whether or not an archaeological survey has been completed and notwithstanding that operations are being conducted as approved, the lessee/operator/grantee shall notify the BLM immediately if previously unidentified cultural resources are observed during surface disturbing operations. From the time of the observation, the lessee/operator/grantee shall avoid operations that will result in disturbance to these cultural resources until directed to processed by BLM.

TRASH PIT STIPS

All trash, junk, and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

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CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Chesapeake Operating Incorporated Well Name & No: Klein 1 Federal # 01 Location: Surface 109' FNL & 1579' FWL, BHL: 810' FNL & 2130' FWL Section: 01, T. 11 S. R. 33 E. Lease: NMNM 112936 Lea County, New Mexico

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell, NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

A. Spudding

B. Cementing casing: 13 % inch 8 % inch 5 1/2 inch

C. BOP Tests

2. A Hydrogen Sulfide (H2S) Drilling Plan is not required for this wellbore.

3. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

4. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.

5. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

II. CASING:

1. The <u>13 %</u> inch shall be set at <u>425 Feet</u> with cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.

2. The minimum required fill of cement behind the 8 1/2 inch Intermediate casing is to circulate.

3. The <u>minimum required fill of cement</u> behind the <u>5 ½</u> inch Production casing is to <u>Tie Back past the 8 % casing shoe</u> by at least 200 Ft.(sealing of the Glorieta is essential).

III. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 13 % inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be <u>3M</u> psi.

III. Pressure Control (continued):

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3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the test.

-The test shall be done by an independent service company

-The results of the test shall be reported to the appropriate BLM office.

-Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures.

-Use of drilling mud for testing is not permitted since it can mask small leaks.

-Testing must be done in safe workman-like manner. Hard line connections shall be required.

-Both low pressure and high pressure testing of BOPE is required.

BLM Serial Number: NM-112936 Company Reference: Chesapeake Operating Inc. Well No. & Name: Klein Federal #1

STANDARD STIPULATIONS FOR PERMANENT RESOURCE ROADS CARLSBAD FIELD OFFICE

A copy of the grant and attachments, including stipulations and map, will be on location during construction. BLM personnel may request to view a copy of your permit during construction to ensure compliance with all stipulations.

The holder/grantee/permittee shall hereafter be identified as the holder in these stipulations. The Authorized Officer is the person who approves the Application for Permit to Drill (APD) and/or Right-of-Way (ROW).

GENERAL REQUIREMENTS

, **, , ***

A. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

B. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976, as amended (15 U.S.C. 2601, *et. seq.*) with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized by this grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation and Liability Act, Section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the Authorized Officer concurrent with the filing of the reports to the involved Federal agency or State government.

C. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, *et. seq.* or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, *et. seq.*) on the right-of-way (unless the release or threatened release is wholly unrelated to the right-of-way holder's activity on the right-of-way). This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

D. If, during any phase of the construction, operation, maintenance, or termination of the road, any oil or other pollutant should be discharged, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil of other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages to Federal lands resulting there from, the Authorized Officer may take such measures as deemed necessary to control and cleanup the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any liability or responsibility.

E. The holder shall minimize disturbance to existing fences and other improvements on public domain surface. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times.

The holder will make a documented good-faith effort to contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence.

F. The Holder shall ensure that the entire right-of-way, including the driving surface, ditching and drainage control structures, road verges and any construction sites or zones, will be kept free of the following plant species: Malta starthistle, African rue, Scotch thistle and salt cedar.

Holder agrees to comply with the following stipulations:

1. ROAD WIDTH AND GRADE

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The road will have a driving surface of 14 feet (all roads shall have a minimum driving surface of 12 feet, unless local conditions dictate a different width). The maximum grade is 10 percent unless the box below is checked. Maximum width of surface disturbance from construction will be 30 feet.

/__/ Those segments of road where grade is in excess of 10% for more than 300 feet shall be designed by a professional engineer.

2. CROWNING AND DITCHING

Crowning with materials on site and ditching on one side of the road on the uphill side will be required. The road cross-section will conform to the cross section diagrams in Figure 1. If conditions dictate, ditching may be required for both sides of the road; if local conditions permit, a flat-bladed road may be considered (if these conditions exist, check the appropriate box below). The crown shall have a grade of approximately 2% (i.e., 1" crown on a 12' wide road).

<u>X</u> / Ditching will be required on both sides of the roadway as shown on the attached map or as staked in the field.

/__/ Flat-blading is authorized on segment(s) delineated on the attached map.

3. DRAINAGE

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Drainage control shall be ensured over the entire road through the use of borrow ditches, outsloping, insloping, natural rolling topography, lead-off (turnout) ditches, culverts, and/or drainage dips.

A. All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval for lead-off ditches shall be determined according to the following table, but may be amended depending upon existing soil types and centerline road slope (in %):

(
SPACING INTERVAL	FOR TURNOUT DITCHES
Percent slope	Spacing interval
0% - 4%	400' - 150'
4% - 6%	250' - 125'
6% - 8%	200' - 100'
8% - 10%	150' - 75'

A typical lead-off ditch has a minimum depth of 1 foot below and a berm 6 inches above natural ground level. The berm will be on the down-slope side of the lead-off ditch. The ditch end will tie into vegetation whenever possible.

For this road the spacing interval for lead-off ditches shall be at

 $/_x_/$ 400 foot intervals.

/__/ ____ foot intervals.

/__/ locations staked in the field as per spacing intervals above.

/__/ locations delineated on the attached map.

B. Culvert pipes shall be used for cross drains where drainage dips or low water crossings are not feasible. The minimum culvert diameter must be 18 inches. Any culvert pipe installed shall be of sufficient diameter to pass the anticipated flow of water. Culvert location and required diameter are shown on the attached map (Further details can be obtained from the Roswell District Office or the appropriate Resource Area Office).

C. On road slopes exceeding 2%, drainage dips shall drain water into an adjacent leadoff ditch. Drainage dip location and spacing shall be determined by the formula:

spacing interval =
$$400'$$
 + 100'
road slope in %

Example: 4% slope: spacing interval = 400 + 100 = 200 feet

4. TURNOUTS

Unless otherwise approved by the Authorized Officer, vehicle turnouts will be required. Turnouts will be located at 2000-foot intervals, or the turnouts will be intervisible, whichever is less. Turnouts will conform to the following diagram:

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STANDARD TURNOUT - PLAN VIEW
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5. SURFACING

Surfacing of the road or those portions identified on the attached map may, at the direction of the Authorized Officer, be required, if necessary, to maintain traffic within the right-ofway with caliche, gravel, or other surfacing material which shall be approved by the Authorized Officer. When surfacing is required, surfacing materials will be compacted to a minimum thickness of six inches with caliche material. The width of surfacing shall be no less than the driving surface. Prior to using any mineral materials from an existing or proposed Federal source, authorization must be obtained from the Authorized Officer.

A sales contract for the removal of mineral materials (caliche, sand, gravel, fill dirt, etc.) from an authorized pit, site, or on location must be obtained from the BLM prior to using any such mineral material from public lands. Contact the BLM solid minerals staff for the various options to purchase mineral material.

6. CATTLEGUARDS

Where used, all cattleguard grids and foundation designs and construction shall meet the American Association of State Highway and Transportation Officials (AASHTO) Load Rating H-20, although AASHTO U-80 rated grids shall be required where heavy loads (exceeding H-20 loading), are anticipated (See BLM standard drawings for cattleguards). Cattleguard grid length shall not be less than 8 feet and width of not less than 14 feet. A wire gate (16-foot minimum width) will be provided on one side of the cattleguard unless requested otherwise by the surface user.



MAINTENANCE

The holder shall maintain the road in a safe, usable condition. A maintenance program shall include, but not be limited to blading, ditching, culvert installation, culvert cleaning, drainage installation, cattleguard maintenance, and surfacing.

8. PUBLIC ACCESS

Public access along this road will not be restricted by the holder without specific written approval being granted by the Authorized Officer. Gates or cattleguards on public lands will not be locked or closed to public use unless closure is specifically determined to be necessary and is authorized in writing by the Authorized Officer.

9. CULTURAL RESOURCES

Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the authorized officer. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the authorized officer after consulting with the holder.

10. SPECIAL STIPULATIONS:

11/28/2005 13:16 FAX 432 687 4112 CHK MIDLAND	Ø 002/002
Submit 3 Copies To Appropriate District State of New Mexico	Form C-103
Office Energy Minerals and Natural Resources	May 27, 2004
District I Elicity, Willicials and Ivatural Resources	WELL API NO.
District II OIL CONSERVATION DIVISION	30-025-37571
1301 W. Grand Ave., Artesia, NM 88210 District III 1220 South St. Francis Dr.	5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM	0. State On & Gas Louise No.
87505	A New York A menual Nome
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Klein 1 Federal
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH	
PROPOSALS.)	8. Well Number 1
1. Type of Well: Oil Well 🔀 Gas Well 🗌 Other	9. OGRID Number
2. Name of Operator Chesapeake Operating Inc.	147179
3. Address of Operator P. O. Box 11050	10. Pool name or Wildcat
Midland, TX 79702-8050	INBE;Pennsylvanian
4. Well Location	
Unit Letter Lot3 : 109 feet from the North line and 15	79feet from theline
Section 1 Township 11S Range 33E	NMPM CountyLea
11. Elevation (Show whether DR, RKB, RT, GR, etc.,	
4205'	
Pit or Below-grade Tank Application X or Closure	1000
Pit type Drilling Depth to Groundwater 25' Distance from nearest fresh water well <500' Distance from nearest fr	1
Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; C	onstruction Material
12. Check Appropriate Box to Indicate Nature of Notice,	Report or Other Data
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WOR	
PULL OR ALTER CASING I MULTIPLE COMPL I CASING/CEMEN	
OTHER:Drilling Pit Application X OTHER:	
13 Describe proposed or completed operations. (Clearly state all pertinent details, and	d give pertinent dates, including estimated date
 Describe proposed or completed operations. (Clearly state all pertinent details, an of starting any proposed work). SEE RULE 1103. For Multiple Completions: A 	d give pertinent dates, including estimated date ttach wellbore diagram of proposed completion
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