Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

API No.: 35003222930000 **Completion Report** Spud Date: May 18, 2012

OTC Prod. Unit No.: 003-208736 Drilling Finished Date: June 16, 2012

1st Prod Date: September 06, 2012

Completion Date: July 12, 2012

Drill Type: **HORIZONTAL HOLE**

Min Gas Allowable: Yes

Well Name: LOVINA 7-26-12 1H

Purchaser/Measurer: CHESAPEAKE OPERATING

First Sales Date: 09/12/2012

Location:

ALFALFA 7 26N 12W

SW SE SW SE 260 FSL 1850 FEL of 1/4 SEC

Derrick Elevation: 1501 Ground Elevation: 1483

Operator: CHESAPEAKE OPERATING INC 17441

PO BOX 18496

6100 N WESTERN AVE

OKLAHOMA CITY, OK 73154-0496

	Completion Type
Х	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
597000
605393

Increased Density
Order No
There are no Increased Density records to display.

Casing and Cement								
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT	
SURFACE	13 3/8	48	H-40	460		440	SURFACE	
INTERMEDIATE	9 5/8	36	J-55	1500		681	SURFACE	
INTERMEDIATE	7	26	P-110	5997		246	4201	

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	13.5	P-110	5234	0	550	5378	

Total Depth: 10612

Pac	cker
Depth	Brand & Type
5324	AS-3

PI	ug
Depth	Plug Type
10490	PBTD

January 10, 2013 1 of 2

				Initial Tes	t Data					
Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut- In Pressure	Choke Size	Flow Tubing Pressure
Sep 17, 2012	MISSISSIPPIAN	255		1061	4161	4333	ARTIFICIA			194

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing) Orders
Order No	Unit Size
595283	640

Perforated	d Intervals
From	То
5900	10461

Acid Volumes

20,000 GALLONS 15% HCL ACID

Fracture Treatments

46,133 BARRELS FRAC FLUID, 1,006,342 POUNDS PROPPANT

Formation	Тор
MISSISSIPPIAN	5872

Were open hole logs run? No Date last log run:

Were unusual drilling circumstances encountered? No Explanation:

Other Remarks

There are no Other Remarks.

Lateral Holes

Sec: 7 TWP: 26N RGE: 12W County: ALFALFA

NW NE NW NE

49 FNL 1833 FEL of 1/4 SEC

Depth of Deviation: 5499 Radius of Turn: 343 Direction: 4 Total Length: 4740

Measured Total Depth: 10612 True Vertical Depth: 5842 End Pt. Location From Release, Unit or Property Line: 49

FOR COMMISSION USE ONLY

1116376

Status: Accepted

January 10, 2013 2 of 2

API NO. 35-003-22293	PLEASE TYPE OR USE BLACK INK (ONLY									Form 100 Rev. 200
NO. 35-003-22293 OTC PROD. UNIT NO. 003-208736	Attach copy of original 1002A if recomp	AS AS	SU	BM	IT	<u>TED</u>			SEP 2	6 2012	1.01. 200
ORIGINAL AMENDED Reason Amended				COMPLE	TION I	/////// REPORT			OMA CO	ORPORA'	TION
TYPE OF DRILLING OPERATION			SPUD DATE	F	5/18/2	2012					
STRAIGHT HOLE SERVICE WELL	DIRECTIONAL HOLE X HOR	IZONTAL HOLE	DRLG FINISH	ED			1	<u> </u>	640	Acres	
f directional or horizontal, see re	verse for bottom hole location.		DATE		3/16/2	2012					
COUNTY ALFAL			DATE OF WE COMPLETION		7/12/2	2012					
LEASE NAME LO	VINA 7-26-12 WEL	1H	1ST PROD DA	TE	9/6/2	012					
SHL	FSL FEL	OF	RECOMP DAT	TE .							
SW 1/4 SE 1/4 SW ELEVATION	1 1/4 SE 1/4 260 1/4 s Latitude (if Known)		Longitude				W				E
Derrick FI 1,501 Gre	ound 1,483		(if Known)								
OPERATOR CHESA	PEAKE OPERATING, INC.	0	TC/OCC OPERA	TOR NO.	1	7441					
ADDRESS P.O. BO	X 18496										
CITY OKLAH	OMA CITY	STATE (OK :	<u>Z</u> IP	731	54			1004		
COMPLETION TYPE		CASING & CEME	NT (Form 10020	must be att	tached)			•	LOCA	TE WELL	
X SINGLE ZONE		TYPE	SIZ	E WEI	IGHT	GRADE		FEET	PSI	SAX	TOP
MULTIPLE ZONE Application Date	<u> </u>	CONDUCTOR									
COMMINGLED		SURFACE	13 3	1/8" 48	3#	H-40		460		440	Surface
Application Date LOCATION	59700 (Interim)	INTERMEDIATE			5#	J-55		,500		681	Surface
EXCEPTION ORDER NO. INCREASED DENSITY	N/A	INTERMEDIATE					_			-	
ORDER NO.	IN/A		'		6# 	P-110		,997		246	4,201
		LINER	4 1	/2" 13.	.5#	P-110	5,378	3-10,612		550	5,378 10,612
	PV DEODUCING FORMATION	59MSSF	TYPE PB	PLUG PLUG	@		TYPE				
COMPLETION & TEST DATA E	PY PRODUCING FORMATION MISSISSIPPIAN		TYPE		@		TYPE				
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER	BY PRODUCING FORMATION		TYPE		@		TYPE				
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj.	MISSISSIPPIAN 640		TYPE		@		TYPE				
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER	MISSISSIPPIAN 640 595283		TYPE		@		TYPE				
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc	MISSISSIPPIAN 640 595283 Oil		TYPE		@		TYPE				
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj.	MISSISSIPPIAN 640 595283		TYPE		@		TYPE				
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED	MISSISSIPPIAN 640 595283 Oil 5,900-10,461		TYPE		@		TYPE				
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS	MISSISSIPPIAN 640 595283 Oil 5,900-10,461		TYPE		@		TYPE				
COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls		TYPE		@		TYPE				
COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid		TYPE		@		TYPE				
COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable		TYPE			Purchaser/Me:			Chesa		erating, Inc
COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED NTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts)	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs	59MSSF	TYPE		Gas P	Purchaser/Me:			Chesa	peake Op 9/12/20	
COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts)	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable X OR Oil Allowable	59MSSF	TYPE		Gas P				Chesa		
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COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts) INITIAL TEST DATA INITIAL TEST DATE OIL-BBL/DAY OIL-GRAVITY (API)	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable X OR Oil Allowable 9/17/2012 255	59MSSF	TYPE		Gas P				Chesa		
COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts) INITIAL TEST DATA INITIAL TEST DATE OIL-BBL/DAY OIL-GRAVITY (API) GAS-MCF/DAY	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable X OR Oil Allowable 9/17/2012 255	59MSSF	TYPE		Gas P				Chesa		
COMPLETION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts) INITIAL TEST DATA INITIAL TEST DATE OIL-BBL/DAY OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable X OR Oil Allowable 9/17/2012 255 1,061 4,162	59MSSF	TYPE		Gas P				Chesa		
COMPLETION & TEST DATA E FORMATION SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts) INITIAL TEST DATA INITIAL TEST DATE OIL-BBL/DAY OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable X OR Oil Allowable 9/17/2012 255	59MSSF	TYPE		Gas P				Chesa		
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FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts) INITIAL TEST DATA INITIAL TEST DATE OIL-BBL/DAY OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING INITIAL SHUT-IN PRESSURE CHOKE SIZE FLOW TUBING PRESSURE A record of the formations drilled report, witch was prepared by m	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable X OR Oil Allowable 9/17/2012 255 1,061 4,162 4,333 Artificial Lift	(165:10-17- (165:10-13-3) Tented on the reverse. I with the data and facts David Crayce	TYPE 77) declare that I has stated herein to raft - DISTF	PLUG rive knowledge be true, corre	Gas F 1st Sal	contents of ti	asurer his report	of my knowle 9/24/201	norized by m	9/12/20 ny organization ief. 405-	to make this 848-8000
FORMATION & TEST DATA E FORMATION SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts) INITIAL TEST DATA INITIAL TEST DATE OIL-BBL/DAY OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING INITIAL SHUT-IN PRESSURE CHOKE SIZE FLOW TUBING PRESSURE A record of the formations drilled	MISSISSIPPIAN 640 595283 Oil 5,900-10,461 15% HCL Acid 20,000 gal Frac Fluid 46,133 bbls Proppant 1,006,342 lbs Minimum Gas Allowable X OR Oil Allowable 9/17/2012 255 1,061 4,162 4,333 Artificial Lift 194	(165:10-17- (165:10-13-3) Tented on the reverse. I with the data and facts David Crayco	TYPE 77) declare that I has stated herein to raft - DISTF	PLUG rive knowledge be true, corre	Gas P 1st Sal e of the ect, and	contents of ti	asurer	of my knowle 9/24/201 DATE	norized by n dge and bel 2	9/12/20 ny organization ief. 405- PHO	to make this

PLEASE TYPE OR USE BLACK INK ONLY
FORMATION RECORD

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

LEASE NAME	I OVINA	7-26-12

WELL NO. 1H

drilled through. Show intervals cored or drillster	n testea.						
NAMES OF FORMATIONS	ТОР				EOD COMMIS	SION USE ONL	v
NAMES OF FORMATIONS MISSISSIPPIAN	5,87	72			FOR COMMIS	31014 00L 014L	'
	0,01	~ I	ITD on file	YES	□ NO		
			APPROVE	D DISA	APPROVED 2) Reject	Codes	
					2) Reject	Codes	
						_	
			Were onen	hole logs run?	yes X no		
			Date Last I	og was run	N/A		
			Was CO ₂ e	encountered?	yes X _no	at what depths	3?
							.0
			vvas H ₂ S e	ncountered?	yes X no	at what depths	or
					mstances encountered?		yesX_no
			If yes, brief	y explain.			
Other remarks:							
Other remarks.							
							PAN AND
	-						
							HAPPE AND
				4 140		_	
							41-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
640 Acres	BOTTOM HOLE LO	CATION FO					
640 Acres	BOTTOM HOLE LO	CATION FO		HOLE COUNTY		_	
640 Acres	SEC TW Spot Location	/P	RGE	COUNTY	Feet From 1/4 Sec Lines	FSL	FWL
640 Acres	SEC TW Spot Location 1/4	/P 1/4	RGE	COUNTY 1/4	Feet From 1/4 Sec Lines		FWL
640 Acres	SEC TW Spot Location	/P 1/4	RGE	COUNTY 1/4	Feet From 1/4 Sec Lines BHL From Lease, Unit, or		FWL
640 Acres	SEC TW Spot Location 1/4	/P 1/4	RGE	COUNTY 1/4			FWL
640 Acres	Spot Location 1/4 Measured Total Dept	1/4 th	1/4 True Vertical Dep	1/4 pth	BHL From Lease, Unit, or		FWL
640 Acres	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1	1/4 th	1/4 True Vertical Dep	1/4 pth	BHL From Lease, Unit, or		FWL
640 Acres	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOLATERAL #1 SEC TW	1/4 th	1/4 True Vertical Dep	1/4 pth	BHL From Lease, Unit, or	Property Line:	FWL
640 Acres	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1	1/4 th CATION FOR	True Vertical Dep	1/4 pth HOLE: (LATER	BHL From Lease, Unit, or ALS)	Property Line:	
640 Acres	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LO LATERAL #1 SEC 7 Spot Location NW 1/4	1/4 th	True Vertical Department of the International Internationa	1/4 pth	BHL From Lease, Unit, or ALS) A Feet From 1/4 Sec Lines	Property Line:	FWL FEL 1,833
640 Acres	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of	th CATION FOI P 26N NE 1/4	True Vertical Dep	1/4 pth HOLE: (LATER COUNTY NE 1/4	ALS) ALS Feet From 1/4 Sec Lines Direction	Property Line:	FEL 1,833
640 Acres	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of	1/4 th CATION FOI P 26N NE 1/4 ,499	True Vertical Department of Tr	1/4 pth HOLE: (LATER COUNTY NE 1/4 343	BHL From Lease, Unit, or ALS) A Feet From 1/4 Sec Lines	LFALFA FNL 49 Total Length	
If more than three drainholes are proposed, attach a	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of Deviation 5, Measured Total Dept	1/4 th CATION FOI P 26N NE 1/4 ,499	True Vertical Department of Tr	1/4 pth HOLE: (LATER COUNTY NE 1/4 343 pth	ALS) ALS Feet From 1/4 Sec Lines Direction 4	Property Line: LFALFA FNL 49 Total Length Property Line:	FEL 1,833
	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of Deviation 5,	1/4 th CATION FOI P 26N NE 1/4 ,499	True Vertical Department of Tr	1/4 pth HOLE: (LATER COUNTY NE 1/4 343 pth	ALS) ALS Feet From 1/4 Sec Lines Direction 4	LFALFA FNL 49 Total Length	FEL 1,833
If more than three drainholes are proposed, attach a separate sheet indicating the necessary information. Direction must be stated in degrees azimuth.	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of Deviation 5, Measured Total Dept 10,612 LATERAL #2	1/4 th CATION FOI P 26N NE 1/4 ,499 th	RGE 1/4 True Vertical Department of the second of the se	T/4 Doth HOLE: (LATER COUNTY NE 1/4 343 Doth 142	ALS) ALS Feet From 1/4 Sec Lines Direction 4	Property Line: LFALFA FNL 49 Total Length Property Line:	FEL 1,833
If more than three drainholes are proposed, attach a separate sheet indicating the necessary information. Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of Deviation 5, Measured Total Dept 10,612	1/4 th CATION FOI P 26N NE 1/4 ,499 th	RGE 1/4 True Vertical Department of the second of the se	1/4 pth HOLE: (LATER COUNTY NE 1/4 343 pth	ALS) ALS Feet From 1/4 Sec Lines Direction 4	Property Line: LFALFA FNL 49 Total Length Property Line:	FEL 1,833
If more than three drainholes are proposed, attach a separate sheet indicating the necessary information. Direction must be stated in degrees azimuth.	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of Deviation 5, Measured Total Dept 10,612 LATERAL #2	1/4 th CATION FOI P 26N NE 1/4 ,499 th	RGE 1/4 True Vertical Department of the second of the sec	TI/4 TOTH TOTH HOLE: (LATER COUNTY NE 1/4 343 Pth 142 COUNTY	ALS) ALS) ALS Feet From 1/4 Sec Lines Direction 4 BHL From Lease, Unit, or	Property Line: LFALFA FNL 49 Total Length Property Line: 49	FEL 1,833 4,740
If more than three drainholes are proposed, attach a separate sheet indicating the necessary information. Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of Deviation 5, Measured Total Dept 10,612 LATERAL #2 SEC TW Spot Location 1/4	1/4 th CATION FOI P 26N NE 1/4 ,499 th	RGE 1/4 True Vertical Department of the second of the sec	T/4 Doth HOLE: (LATER COUNTY NE 1/4 343 Doth 142	BHL From Lease, Unit, or ALS) AHS Feet From 1/4 Sec Lines Direction 4 BHL From Lease, Unit, or Feet From 1/4 Sec Lines	Property Line: LFALFA FNL 49 Total Length Property Line: 49	FEL 1,833
If more than three drainholes are proposed, attach a separate sheet indicating the necessary information. Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the	SEC TW Spot Location 1/4 Measured Total Dept BOTTOM HOLE LOCATERAL #1 SEC 7 Spot Location NW 1/4 Depth of Deviation 5, Measured Total Depth 10,612 LATERAL #2 SEC TW Spot Location	1/4 th CATION FOI P 26N NE 1/4 ,499 th	RGE 1/4 True Vertical Department of the second of the sec	TI/4 TOTH TOTH HOLE: (LATER COUNTY NE 1/4 343 Pth 142 COUNTY	ALS) ALS) ALS Feet From 1/4 Sec Lines Direction 4 BHL From Lease, Unit, or	Property Line: LFALFA FNL 49 Total Length Property Line: 49	FEL 1,833 4,740
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293. ALFALFA _ County, Oklahoma 260'FSL - 1850'FEL Section 26N Range 12W I.M. ___ Township 5308 36.753778600° N 98.522045472° W 36.753676882° N 98.540162453 X=1847053 BOTTOM HOLE 1833'FEL-49'FNL 36'45'13.0" N 98'31'41.9" W BOTTOM PERF. (10,461' MD) 1842'FEL-199'FNL 36.753193641' N Y=638822 X=1841745 Y=638814 Lot 1 726W-R13W 98.528335600° W X=1845219 X=1845209 Y=638770 Y=638619 36.753608535° N 98.528304273° W (As-Drilled) Lot 2 \mathcal{H} QGR4A/ QGR4A/ -0-N-5 12 ខូរ Lovina WOODS C Lot 3 PENETRATION POINT (5,872° MD) 1871°FEL-497'FSL 36.740612788° N 98.528516728° W X=1845131 TOP PERF. (5,900° MD) 1870'FEL-523'FSL 36.740684216° N County Line P **GRID** GUIDE MERIDIAN Scale: 1"= 1000 98.528513798" W X=1845132 Y=634039 r=634065 36.739291908 N 98.522139798 W Lot 4 χ. 36.739165798° N X=1846997 98.540174761 Y=633548 X=1841712 F 1850 Y = 6.335315285 Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have <u>NOI</u> been measured on the ground Operator: CHESAPEAKE OPERATING, INC. **ELEVATION:** Lease Name: LOVINA 7-26-12 1483' Gr. at Stake Well No.: ___1H Topography & Vegetation Loc. fell in rolling pasture Reference Stakes or Alternate Location Stakes Set None Good Drill Site? __ From South off county road Best Accessibility to Location _ Distance & Direction From Cherokee, OK, go 9.0 mi. West on paved road, then 1.0 mi. South from Hwy Jct or Town to the SE Cor. of Sec. 7-T26N-R12W Date of Drawing: July 25, 2012 187298 DATUM: NAD-27 JΡ LAT: <u>3</u>6'44'23.9"N Invoice # 178702 Date Staked: Feb. 09, 2012 LONG: 98'31'42.4"W LAT: <u>36.739962</u>112 LONG: 98.528447486 FINAL AS-DRILLED PLAT

STATE PLANE COORDINATES: (US Feet) ZONE: OK NORTH X: 1845150 Y: 633802

AS-DRILLED INFORMATION FURNISHED BY CHESAPEAKE OPERATING