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

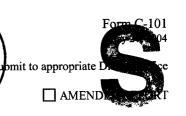
Oil Conservation Division

MAR 1 2 2007

1220 South St. Francis Dr.

Oct. And St. Practice Dr.

Oct. A Santa Fe, NM 87505



APPL	ICATI	<u>UN</u>	FOI	R PERMIT	TOD	RILL, RE-I	ENTER, L	EEPE	N, PLUGBAC	K, OR	<u> ADD</u>	A ZONE
Plantation (Operating.	LLC	2	•					237788			
2203 Timbe	erloch Pla	ice, S	uite 2	229, The Woo	dlands, T	exas 77380 .			30- 00	3 API Nu	ም ^ያ ፝ቒ ጊ	۲
³ Prope	rty Code					⁵ Property 1	Name		1		° Well N	lo.
3/1402 Sycamore											1	
	 		9]	Proposed Pool 1					¹⁰ Propos	ed Pool 2		
Lost Lake (Strawn)											
					_	⁷ Surface	Location					
UL or lot no.	Section 36	Town	nship S	Range 29E	Lot I	idn Feet fro		South line outh	Feet from the 1980'	East/West Wes		County Chaves
				⁸ Propo	sed Botto	om Hole Locat	ion If Differ	ent From	Surface	,		
UL or lot no.	Section	Town	nship	Range	Lot I			/South line	Feet from the	East/West	line	County
	l				Ad	ditional We	ll Informat	ion				
	Type Code	,		12 Well Type Co	ie		/Rotary	14	Lease Type Code			Level Elevation
· · · · · · · · · · · · · · · · · · ·	N Iultiple			G 17 Proposed Dep	th	18 Fоп		<u> </u>	S 19 Contractor	-		1037'
	No			8750°	ш	Stra		То	Be Determined			ASAP
Depth to Grou	ındwater		N/A		Distance	e from nearest fres	h water well	< 1,000'	Distance from	nearest sui	rface wate	r <1,000'
Pit: Liner:	: Synthetic		<u>12</u> n	nils thick Clay	☐ Pit V	olume: <u>10,000</u> b	obls]	Orilling Met	hod: Drilling			
Close	xd-Loop Sys	tem [Fresh Water	☐ Brine ☐ Dies	el/Oil-base	ed 🔲 G	as/Air 🔲
				21	Propos	sed Casing a	nd Cemen	t Progra	m			
Hole S	ize		Casi	ing Size	Casing	g weight/foot	Setting Depth Sacks of		Sacks of Cen	ement Estimated TO		stimated TOC
17 ½	·"		13	3/8"		48#	350'		350	350		Surface
12 1/4	;"		9	5/8"		40#	2650' 1250		1250	Surface		Surface
8 3/4	,,		5	1/2"		17#	8750' 1100				Surface	

Operator p	oductive zo proposes	ne. Do to di	escribe rill w	the blowout precell to 8,750'	vention pro to the L	ogram, if any. Us Lost Lake (Str	e additional shorama awn) forma	eets if neces ition.	on the present produ- sary.			
Hydril 5K.	III. ZK IIYO	un (50	C LAI	non 2) nom su	lace cashi	ig to intermediat	e 1D. Schaffe	A LWS OI	aquivalent (Double	-Rain Hy	draunc)	or solies with
Series (See F	Exhibit 2A)) from	inter	mediate casing	o total de	pth. Rotating he	ead, PVT, flov	v monitors	and mud gas Separ	ator from	the San	Andres to TD.
	Mud Program: 0' - 500' Fresh Water, spud mud, lime for PH and LCM as needed for seepage. 500' - 2650' Brine Water, lime for PH and LCM as needed for seepage. 2650' - 8750' Fresh Water, lime for PH and LCM as needed for seepage. Fresh Water, lime for PH and LCM as needed for seepage. Cut brine. 9.3 #/g, Caustic for PH, Starch for WL control and LCM as needed for seepage.											
				n given above is t				OIL C	ONSERVAT	ON D	IVISIC	N
best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .					Approved by:		BRYAN G					
Printed name: Kimberly Faldyn					Title:		— DISTRICT	'II GE	OLO	3IST -		
Title: Produ		-	aidyll	NIM	~~~ <u>(</u>)	July	Approval Dat	MAR 1	9 2007 _{Ex}	piration D	a MA R	1 9 2008
E-mail Addres	ss: kfaldy	m@r	olanta	tionpetro.com	1	' '			· ·			
Date: 3/9/2				Phone: 281		22	Conditions of	Approval A	ttached			
										A. 11.2 /		

DISTRICT I 1625 N. FRENCH DR., MORDE, NM 98840

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVERUE, ARTESTA, NIX 60816 OIL CONSERVAT 1220 SOUTH ST.

Santa Fe, New

DIVISION Month a Marie to MAR 1 2 2007 ris dr. 87505 OCD - ARTESIA, NIM

Form C-10: Revised October 12, 2004 Appropriate District Office State Lease - 4 Copie: Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 67410

DISTRICT IV

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

1220 S. ST. FRANCIS DR., SANTA FR. NM 6750	WELL LOCATION AND AC	REAGE DEDICATION RAI
API Number	Poal Code 80693	Lost Lake (Strawn) Gas
Property Code	Property SYCAL	· · · · · · · · · · · · · · · · · · ·
OGRID No. 237788	Operato PLANTATION OI	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	8-8	29-E		1980	SOUTH	1980	WEST	CHAVES

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
Dedicated Acres	Joint o	r Infill	Consolidation	Code 0	rder No.				

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

	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization atther owns a working interest or unlessed wineral interest in the land including the proposed bottam hale location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order keyttofore entered by ith division.
GEODETIC COORDINATES NAD 27 NME Y=936790.9 N X=619878.7 E	3/9/07 Senture Date John Allred
LAT.=33.574580° N LONG.=103.939749° W	SURVEYOR CERTIFICATION I hereby certify that the well location
1980'	shown on this plat was plotted from field notes of estual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	JANUARY 12, 2007 Date Surveyor Signature & Seal of 2 Professional Surveyor 07.11.0192
	Certificate No. GARY RUSON 12841 SONALD SIDSON 3239

State of New Mexico Energy, Minerals and Natural Resources Department

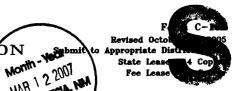
DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.



☐ AMENDED REPORT

MAR 1 2 2007 WELL LOCATION AND ACREAGE DEDICATION PLAT DISTRICT III DISTRICT IV

API Number	Pool Code	Pool Na	Pool Name		
Property Code		perty Name CAMORE	Well Number		
OGRID No.		rator Name OPERATING, LLC	Elevation 4037'		

Surface Location

ſ	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	K	36	8-S	29-E		1980	SOUTH	1980	WEST	CHAVES

Bottom Hole Location If Different From Surface

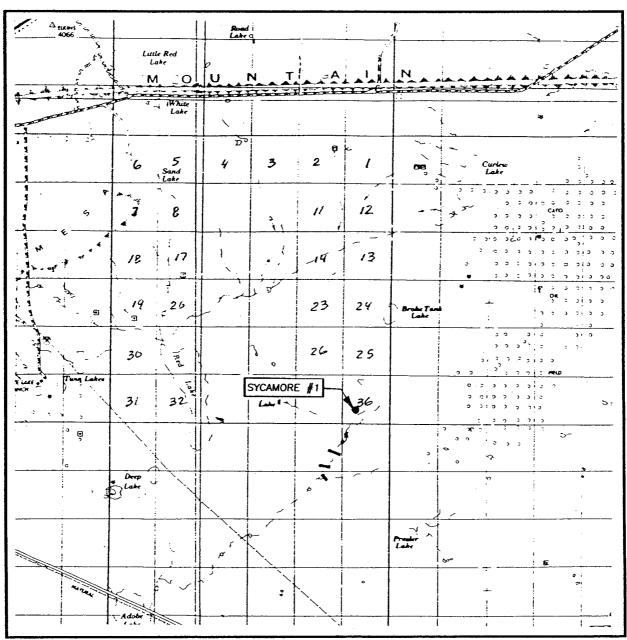
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infili Co	nsolidation (Code Oro	der No.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE	E DIVISION
GEODETIC COORDINATES	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division
NAD 27 NME Y=936790.9 N X=619878.7 E LAT.=33.574580* N LONG.=103.939749* W	Signature Date OW ALLED Printed Name SURVEYOR CERTIFICATION
1980'	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. JANUARY 12, 2007
.1980,	Date Surveyed Signature & Seal of Professional Surveyor 07.11.0192 Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239

SECTION 36, TOWNSHIP 8 SOUTH, RANGE 29 EAST, N.M.P.M., NEW MEXICO
150' NORTH OFFSET 4039.1'
150' WEST OFFSET 4034.7' ELEV. 4037.3' LAT.=33.574580° N LONG.=103.939749° W
150' SOUTH OFFSET 4033.0'
600'
DIRECTIONS TO LOCATION
FROM THE INTERSECTION OF ST. HWY. #380 AND CATO RD., TURN NORTH ON CATO RD. AND GO APPROX. 8.8 MILES, TURN LEFT AND GO WEST APPROX. 0.7 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.2 MILES. TURN LEFT AND GO SOUTH APPROX. 0.2 MILES. TURN RIGHT AND GO WEST APPROX. 0.7 MILES. TURN RIGHT AND GO NORTH APPROX. 0.4 MILES. TURN RIGHT AND GO EAST APPROX. 0.1 MILES. TURN LEFT AND GO NORTH APPROX. 1.6 MILES. TURN LEFT AND GO WEST APPROX. 0.8 MILES. THIS LOCATION IS APPROX. 1140 FEET SOUTH. PLANTATION OPERATING, LLC LOCATED 1980 FEET FROM THE SOUTH LINE AND 1980 FEET FROM THE WEST LINE OF SECTION 36,
PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117 TOWNSHIP 8 SOUTH, RANGE 29 EAST, N.M.P.M., CHAVES COUNTY, NEW MEXICO. Survey Date: 02/12/07 Sheet 1 of 1 Sheets W.O. Number: 07.11.0192 Dr By: J.R. Rev 1:N/A Date: 02/15/07 Disk: CD#7 07110192 Scale:1"=100"

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 36 TWP. 8-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY CHAVES STATE NEW MEXICO

DESCRIPTION 1980' FSL & 1980' FWL

ELEVATION 4037'

PLANTATION

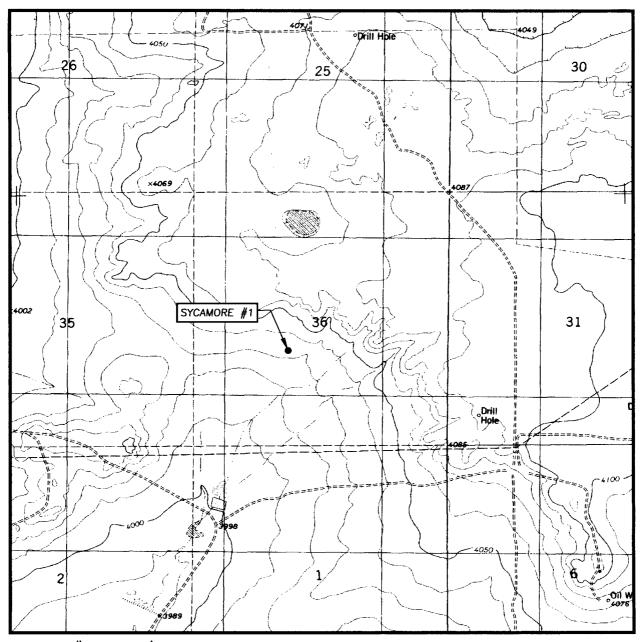
OPERATOR OPERATING, LLC

LEASE SYCAMORE



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

PRESLER LAKE, N.M.

CONTOUR INTERVAL: PRESLER LAKE, N.M. — 10'

SEC. 36 TWP. 8-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY CHAVES STATE NEW MEXICO

DESCRIPTION 1980' FSL & 1980' FWL

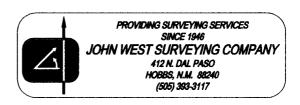
ELEVATION 4037'

PLANTATION

OPERATOR OPERATING, LLC

LEASE SYCAMORE

U.S.G.S. TOPOGRAPHIC MAP



PLANTATION OPERATING, LLC DRILLING PROGNOSIS

I. **WELL IDENTIFICATION**

Lease Name:

Sycamore #1

Location:

1980' FSL & 1980' FWL

K - 36, T-8-S, R-29-E

County:

Chaves

State:

New Mexico

Elevations:

4037' GL

11. **DRILLING OBJECTIVE**

Zone:

Strawn

Total Depth:

8,750'

Pool Name:

Lost Lake (Strawn)

Productive Interval: Strawn

III. **FORMATION TOPS**

ZONE	DRILLING DEPTH(KB)	SUBSEA DEPTH	PROBABLE FLUID PRODUCTION
	-		
San Andres	2500	1537	
Glorieta	3750	287	Potential BD LCM
Paddock	-		Potential BD LCM
Blinebry	-		Potential BD LCM
Tubb	5285	-1248	
Drinkard	5440	-1403	•
Abo	6130	-2093	
Wolfcamp	6840	-2803	GAS (10.5-11.0#/gal)
Strawn	8060	-4023	GAS
Atoka	8440	-4403	

Plantation Operating, LLC Drilling Prognosis

Sycamore #1

IV. HOLE SIZE

<u>Hole</u>	Bit <u>Size</u>	<u>T.D.</u>	Gross <u>Interval</u>
Surface	17-1/2"	350'	350'
Intermediate	12-1/4"	2650'	2650'
Production	8-3/4"	8750'	8750'

V. CASING PROGRAM

A. Casing Design

		Casing Size			
<u>String</u>	<u>O.D.</u>	Wt.	Amt.	Thread	<u>Grade</u>
Surface	13-3/8"	48	350	ST&C	H-40
Intermediate	9-5/8"	40	2650	LT&C	J-55
Production	5-1/2"	17	8750	LT&C	J-55

B. Float Equipment

Surface Casing: 13 3/8-inch Texas Pattern guide shoe and 13 3/8-inch float collar. Wiper plug to displace cement.

Intermediate Casing: 9 5/8-inch Texas Pattern guide shoe and 9 5/8-inch float collar. Wiper plug to displace cement.

Production Casing: 5-1/2-inch super seal float shoe with latch down plug and baffle.

C. Centralizers

Surface Casing: One centralizer at the float collar and five centralizers every other joint thereafter.

Production Casing: Run a total of 18 centralizers. Place one centralizer at the guide-shoe with fifteen (15) centralizers being placed every 80 to 90 feet apart or every other joint in the case of 40-foot joint lengths thereafter. One centralizer inside the bottom of the surface casing and one near surface.

D. Wellhead Equipment

WKM type $9-5/8" \times 5-1/2"$ slip type casinghead with bowl, slips and packoff. Prod $5-1/2" \times 2$ 3/8" male-tubinghead complete with Mandrel, 2 inch outlets, stripper bowl and rubber and slip casing collar.

Plantation Operating, LLC Drilling Prognosis Sycamore #1

VI. MUD PROGRAM

A. Drill the surface hole with a fresh water gel spud mud & paper (approximately 8.6 lb./gal) while maintaining a high enough viscosity to adequately clean the hole. Circulate through working pits and sweep for surface casing. Add paper as needed to control excess seepage.

Before drilling below the surface pipe, jet cuttings out of working pit into <u>auxiliary pit</u> and then switch from circulating through the working pit to circulating through the reserve pit with 10 ppg brine.

B. Production Hole

Prior to drilling the cement plug, add ASP-725 through the hopper over 1 to 2 circulations at the rate of 20 gallons per 1000 barrels of fluid. Make certain to mix and agitate ASP 725 prior to adding to brine. ASP-725 is a cationic, liquid polyacrylamide designed to prevent hydration and migration of clays. Due to its cationic nature, bentonite and attapulgite will not hydrate and are useless in this fluid. If additional viscosity is required, use XCD, or Drispac plus.

Since ASP-725 is depleted from the system, some maintenance is required. Recommended maintenance is 5-6 gallons per tour through the mud hopper.

Lime should be used to control pH at 9.0. Paper may be used to control seepage losses.

Water flows while drilling the Delaware (Canyon Group) formations may require deviation from this program.

Depth: 8750. Weight: 9.4 - 9.6. Viscosity: 30-31. Filtrate: 6 or less.

At 5000 begin to lower the fluid loss with starch. Fluid loss to be 10 cc's or less at 5000.

Continue to add ASP-725 to the system at the rate of 5-6 gallons per tour. Caustic soda should be used to control pH at 9.0. Use paper and LCM to control seepage losses below 12,100'.

At TD, sweep the hole using a high viscosity 100 barrel pill with Dynasweep and/or XCD or as recommended.

VII. CEMENTING PROGRAM

A. Surface Pipe

Cement surface pipe with approximately 350 sacks (or as required to circulate cement to surface) of API Class-C cement containing 2% Calcium Chloride. Before resuming drilling

operations, allow cement to set for a sufficient time to gain a 500-psi compressive strength (18 hours). Nipple up 3000# 12" Shaffer Type E Double Ram BOP and test rams. Also before drilling the surface cementing plug, the pipe shall be tested to 1000 psi for 15 minutes.

B. Intermediate Pipe

Cement surface pipe with approximately 1250 sacks (or as required to circulate cement to surface) of API Class-C cement containing 2% Calcium Chloride. Before resuming drilling operations, allow cement to set for a sufficient time to gain a 500-psi compressive strength

Plantation Operating, LLC

Drilling Prognosis Sycamore #1

(18 hours). Nipple up 5000# 12" Shaffer Type E Double Ram BOP and test rams. Also before drilling the surface cementing plug, the pipe shall be tested to 1000 psi for 15 minutes.

C. <u>Production String</u>

Cement the long string with approximately 700 sacks (or as required) of API Class-C cement containing 3% Halliburton Econolite, 5 lbs/sx Gilsonite and 1/2 lb./sx Floseal mixed to a slurry weight of 11.2 lb./gal followed by 400 sacks of a 50-50 blend of Pozmix "A" and API Class-C cement containing 18% salt, 2% gel, 1/4 lb./gal Floseal and a slurry weight of 14.1 lb./gal. Pump 30 barrels of water ahead of the cement to help remove the mud filter cake.

Once the plug has been bumped and latched, pressure test the casing to 1500 psig.

The total estimated cement volume of 1100 sacks provides for an excess that should be sufficient to the cement the production string. Before the cement job is actually performed, the required cement volume shall be checked against the open hole caliper log to determine the actual amount of cement necessary.

VIII. FORMATION EVALUATION

A. Drilling Rate

- 1. The drilling rate shall be monitored with a geolograph from the surface to total depth.
- 2. Plantation Operating, LLC requires that the penetration rate be tabulated in 10 feet increments over the entire hole.

B. Well Cutting Samples

One set of wet cutting samples shall be gathered every ten (10) feet from 350' to total depth. Five-foot (5') samples may be required during the Strawn interval as specified. **Two sets of dried cuttings** cleaned, bagged, tagged, and then grouped into bundles of ten samples per bundle with one bundle representing each 100 feet drilled.

After the cutting samples have been reviewed by the well site geologist, they shall be delivered to the Midland Sample Cut, 704 S. Pecos Street, Midland, Texas.

If required by the well site geologist, a second set of samples shall be gathered over the entire Strawn Formation Section.

C. Mud Logging

On at 2650' prepared to catch samples and monitor gas with instruments calibrated. Logs will be distributed as noted with Electric Logs. **Need two (2) sets of dry samples. Fax field mud logs by segments twice (2) daily to (281) 298-2333.**

D. <u>Drill-Stem Testing</u>

None

Plantation Operating, LLC

Drilling Prognosis Sycamore #1

E. Coring

None

F. Well Logging

Well Logging information is now available on CD format. This format is to be requested on all work performed. Satellite data up to

Open Hole Logs

Log	Interval					
	<u>2" = 100'</u>	<u>5" = 100'</u>				
GR-LDL-CNL * Azimuthal Laterolog- GR-MicroCFL	T.D. – 2000' T.D. – 2000'	T.D. – 2000' T.D. – 2000'				

^{*}Log and process on both lime and dolomite matrix based on a Platform Express output.

Cased Hole Logs

Log	Inte	erval
GR-CNL-DSL	T.D. – 2000'	T.D. – 2000'
CBL/VDL-GR-CCL	T.D. – 0'	T.D. – 0'

Log Distribution

	<u>No. of Copies</u> Field Final Final Field Final							
	Field	Final	Final	Field	Final			
		B/W	Color	Mud	Mud			
	<u>Prints</u>	<u>Prints</u>	<u>Prints</u>	Logs**	Logs			
Plantation Operating LLC 2203 Timberloch Place # 229 The Woodlands, Texas 77380	5	3	6	3	3			
NMOCD District II Office 1301 W. Grand Avenue Artisa, New Mexico 88210	0	1	0	0	0			

^{**} Fax field mud logs by segments twice daily to (281) 298-2333.

Plantation Operating, LLC

Drilling Prognosis Sycamore #1

IX. BLOWOUT PREVENTER SYSTEM

Before drilling out from under the surface pipe, the well will be equipped with a 5000-psi 10 inch series 900 double-ram hydraulic blowout preventer. The blowout preventer shall be used through the running of the production string.

X. HAZARDOUS ZONES

Note: Be cautious of water flows while drilling below the Delaware formation. Check for water flows on each connection, during surveys and monitor pit gain/loss. Do not leave drill string on bottom and/or stationary while drilling through the porosity zones in the Strawn. This is to avoid differential sticking. Be cautious of lost circulation while drilling the Morrow formation at TD. Should circulation cease pump a standby 50 bbl LCM/XCD mix to regain circulation.

XI. AUXILIARY EQUIPMENT

Upper Kelly cock, full opening stabbing valve, rotating head as required.

XII. COMPLETION

Perforations, acid job, and additional stimulation to be determined after completion.

XIII. DURATION OF OPERATIONS

The total elapsed time required for drilling and completing the subject well is expected to be (40+) days.

Distribution

DD

GL JA

File

Novo Mud

Morco



Plantation Petroleum Holdings III, LLC; Plantation Operating, LLC

Kimberly Faldyn Production Tech

2203 Timberloch Place, Ste. 229 The Woodlands, TX 77380 Tel: (281) 296-7222 Fax: (281) 298-2333



March 9, 2007

VIA DHL

State of New Mexico Oil Conservation Division 1301 W. Grand Avenue Artesia, NM 88210

Attn: Mr. Bryan Arrant

RE:

Sycamore #1 H2S Analysis

Dear Mr. Arrant:

Plantation Operating, LLC is planning to drill the Sycamore #1 well located in Chaves County, NM, and completing same in the Lost Lake-Strawn pool. Attached please find the New-Tex Lab Analysis which shows no H2S in the State "JA" #1 which was completed in the (Lost Lake-Strawn) pool. Plantation Operating, LLC does have a Contingency Plan for H2S already prepared in the event it should need to be implemented.

If you have any questions or need additional information, please feel free to call Kim Faldyn at (281) 296-7222 or e-mail at kfaldyn@plantationpetro.com. Thank you for your attention to this matter.

Sincerely,

Kimberly Faldyn Production Tech

taldyn



PHONE 505/393-3561

P. O. BOX 1161

611 W. SNYDER .

5AL /

HOBBS, NEW MEXICO 88240

ANALYSIS CERTIFICATE

CLIENT: ADDRESS: JOHN WEST ENGINEERING

412 N. DALPASO

HOSSS NEW MEXICO 88240 CITY, STATE:

ANALYSIS NUMBER:

DATE OF RUN:

859 06/21/83

DATE SECURED:

06/18/83

SAMPLE IDENT: SAMPLING PRESS: AMOCO PROD. CO. - STATE "JA" # (LOST LANCE - STRAWN)

SAMPLING TEMP:

F-36-T-85, R-29E

REMARKS: SOME LIGUID IN SAMPLE

CHAVES, NM

******* GAS ANALYSIS ******

	1.1 W line has	tail™ Linux F
	PERCENT	MCF
	4	
NITROGEN	1.625	
CARBON DIOXIDE	0.724	
METHANE	79.356	
ETHANE	9.806	2.615
PROPANE	4.757	1.326
ISO-BUTANE	Ø.9 42	0.307
NORMAL BUTANE	1.481	0.466
ISO-PENTANE	Ø.54Ø	Ð. 197
NORMAL PENTAME	Ø.346	0.125
HEXANES	Ø.214	Ø. Ø88
HEPTANES PLUS	0.229	0.105
TOTAL	100.000	5.209

MO: F

PROPANE GPM:

1.31

BUTANES CPM:

3.77

ETHANE GPM:

2.61

PENTANES PLUS GPM:

0.52

SPECIFIC GRAV (CALC):

6.7246

MOLE WEIGHT:

21.71

HHV-STU/CU FT

PRESSURE (PSIA)

DRY

14.696 14.650 WET 121.. 1207

1232

14.730

1214

1229 1235

14.735

1236

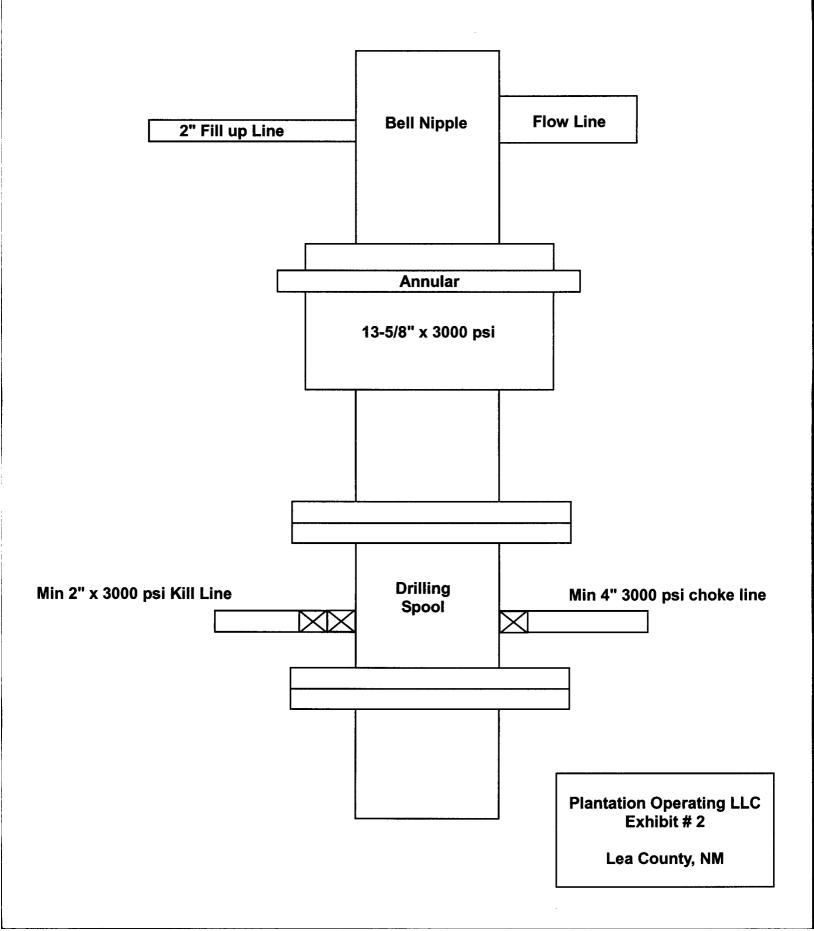
RH HAMILTON

NEW MLAICO OIL CONSERVATION COMMSSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

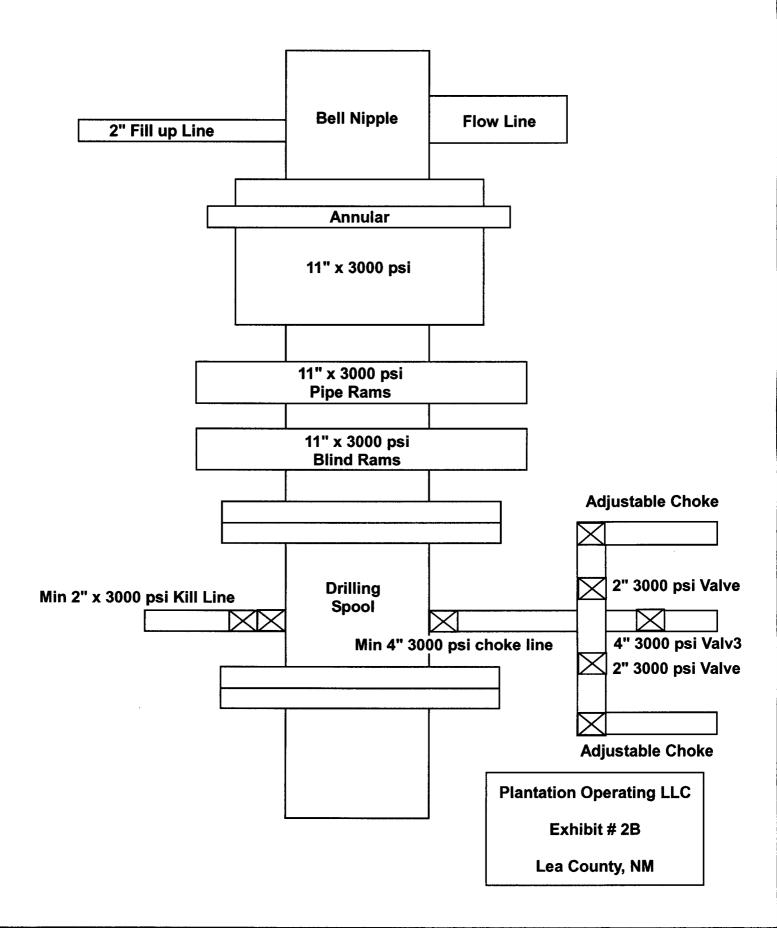
JUL 2 2 1983

	T													b/ _*	F. H.
Type Test Annual Annual							Special Test Date 5-13-93					1	ARTESIA, OFFICE		
Company Connection AMDCD PRODUCTION COMPANY CITIES SERVICES GOMPANY															
Pool Formation Unit															
	oletion Date			tal Depth			1	Plug Back TD Elevation Farm or Lease Name 37975.						,	
نـــا	772679		<u>. </u>		930				9230.		4070,44	090.			
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Plantation Operating, LLC BOP Schematic for 12-1/4" Hole



Plantation Operating, LLC BOP Schematic for 8-3/4 or- 7-7/8" Hole



Plantation Operating LLC Exhibit # 1 **←**z-Lea County, NM Mud Loggers Trailer Cat Walk Plantation Operating, LLC Drilling Schematic Pipe Racks Racks Location Size 400' x 300' **BOP Closing Unit** Well O **Dog House Steel Mud Pits** Reserve Pit 150' x 150' Substructure 蓝 Water Tank Dog House **Fuel Tank** Mud Pump Mud Pump Trailer