

Kansas Corporation Commission Oil & Gas Conservation Division

1050018

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Onv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY							
Letter of Confidentiality Received							
Date:							
Confidential Release Date:							
Wireline Log Received							
Geologist Report Received							
UIC Distribution							
ALT I II III Approved by: Date:							

Side Two



Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually (nmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	MAURICE 1-4
Doc ID	1050018

Tops

Name	Тор	Datum
CHASE	1836	+145
WINFIELD	1886	+95
ТОРЕКА	2929	-948
HEEBNER	3173	-1192
BROWN LIME	3243	-1262
LANSING	3251	-1270
BASE KANSAS CITY	3475	-1494
REAGAN	3548	-1567
GRANITE WASH	3582	-1601
LTD	3633	



FIELD SERVICE TICKET 1718 02370 A

			SERVICES Pho NG & WIRELINE	one 620-67	72-1201			DATE	TICKET NO			
DATE OF JOB	-13-10	DIS	STRICT PRAH			NEW WELL	OLD □ I	PROD []IN.	J WDW	□ Cl	JSTOMER RDER NO.:	
CUSTOMER			Rilling			LEASE //	1/4/11	Rice	/-	- 4	WELL NO.	
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products, and/or su	upplies includ	ed to exe les all of a	cute this contract as an a and only those terms and e written consent of an of	gent of the cu	ustomer. As pearing on	s such, the under the front and bac	signed agre k of this do	ees and acknow cument. No addi	ledges that this co	terms a	and/or condition	ns sha
ITEM/PRICE REF. NO.		MA	TERIAL, EQUIPMENT	AND SERV	ICES USI	ED .	UNIT	QUANTITY	UNIT PRIC	E	\$ AMOUI	NT
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SERVICE REPRESENTATIVE FIELD SERVICE ORDER NO.

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



TREATMENT REPORT

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10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET 1718 02265 A

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

	PRESSL	RE PUMP	ING & WIRELINE			٠ .		DATE	TICKET NO			
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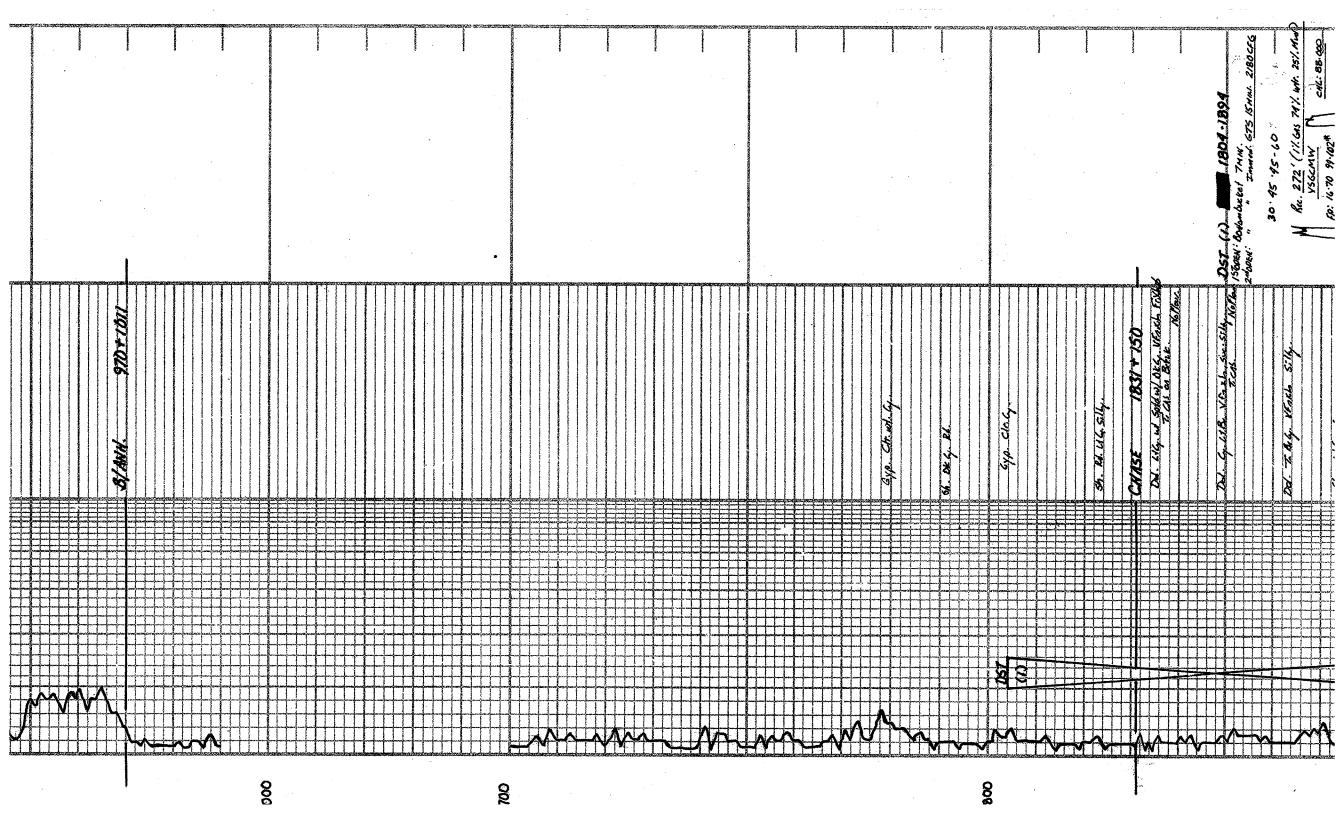
FIELD SERVICE ORDER NO.

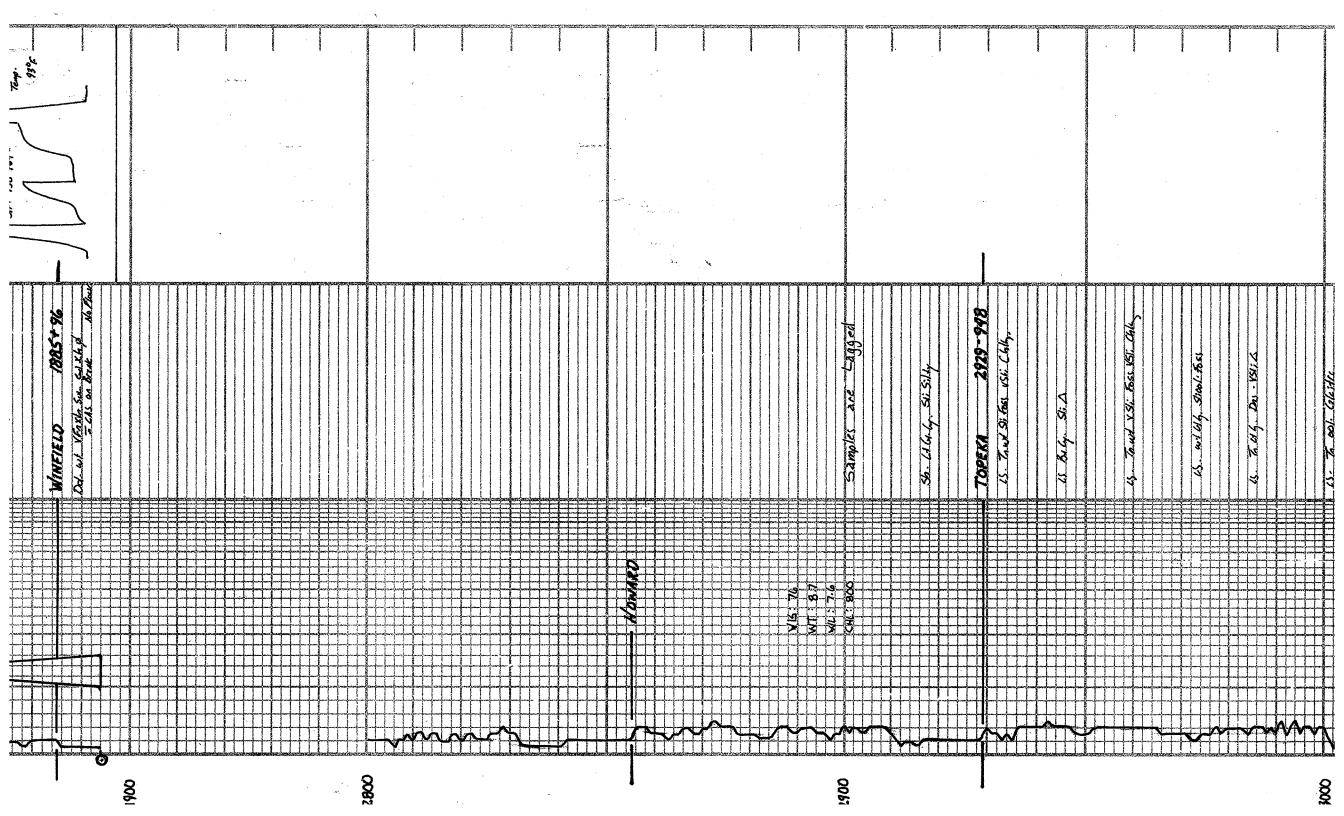


TREATMENT REPORT

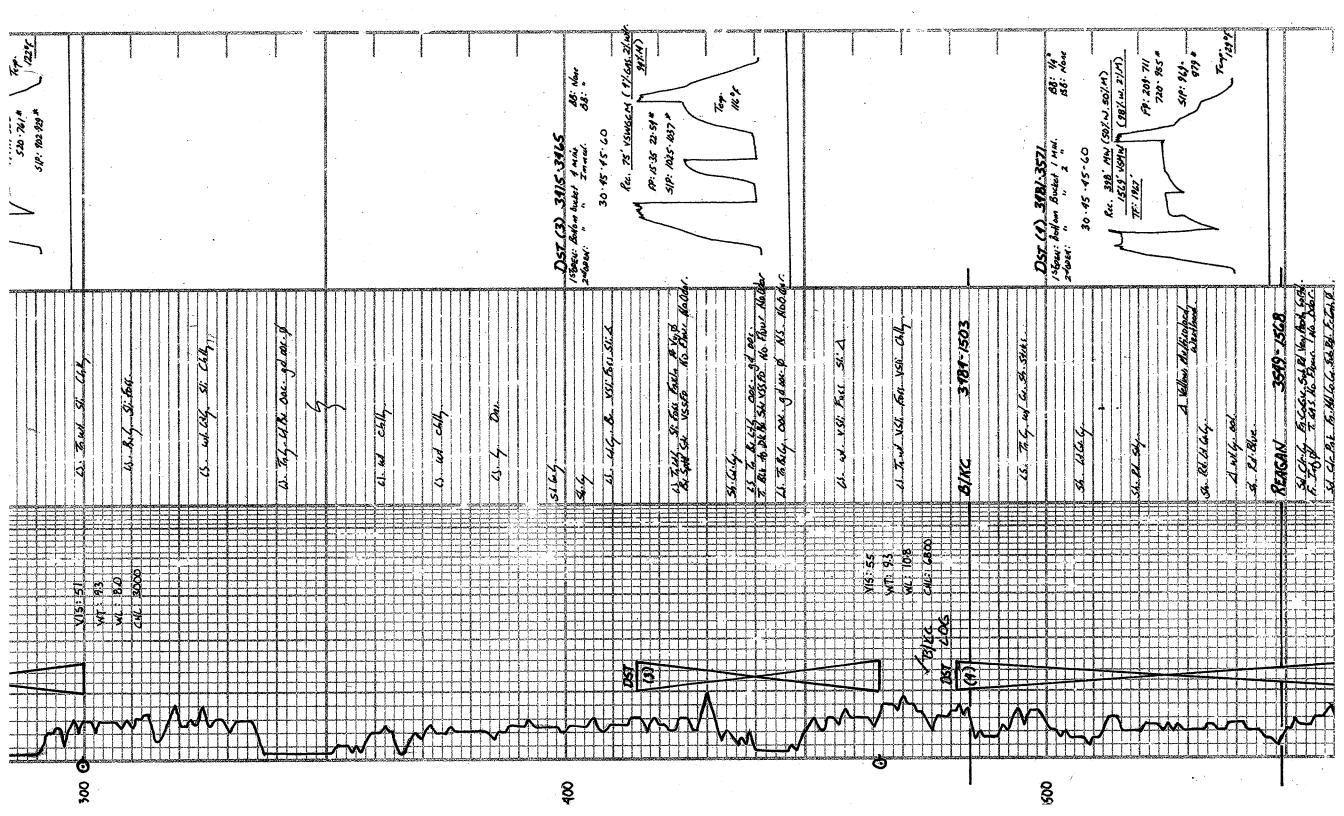
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Names Casing Time Pressure Bobs. Pumped Rate Service Log Petro mark 7 230 cm Cowlor Discuss Safet Set up Plans. Rig Laway down D.P. Out of Hole W/O.P. Laydown Kelly. Ris up to Run 5/2" Css. 244 Start 5/2" Css. Shore Joint 16,666 Who Basket Type shore. C.D. Raff te 100 Collar Cent 1-3.5-7-9. Fill Css. 4 cir. 614 Prop Setting Basket Spore Set @ 800 W/Rg. 614 Prop Setting Basket Spore Set @ 800 W/Rg. 615 D. Pump 12 BBIS May of Flush 26 Smix + pump 10 SKS 60/40 Garayor 15.44 Washout Pump 10 SKS 60/40 Garayor 15.44 Washout Pump 12 SKI W/o/por p 15.44 Washout Pump 12 SKI W/o/por p 15.44 Washout Pump 4Live. 12 Canglet 14 - 32 BBIS 730 Canglet 14 - 32 BBIS	Service Units	1/		1990	5 198	31 /	9862	2				******		
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Rig Laving down D. P. Rig Laving down D. P. Out of Hole w/ O.P. Laydown Kelly. Ris up to Run S/2" CS. 244 Start S/2" CS. Shoe Joint 16,666 w/ Basket Type Shoe. C. D. Baffle. IN COllar-cent 1-3.5-7-9. Fill CSS. Pipe @ Josg' F. II CSS. + CIR 614 Drop Setting Ball + CIR 620 800 Fump Josh 296 KCC 12 5 Pump 12 BBIS Blue Flush 3 5 Pump 3 BBIS Blue Flush 3 5 Pump 3 BBIS Blue Flush 3 5 Pump 3 BBIS Blue Flush 3 6 Pump 3 BBIS Blue Flush 3 6 Pump 3 BBIS Blue Flush 4 Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 26 5 mix + Pump 10 SKS 6040 Sacronger 3 27 10 Mix All Mix All Mix Devil 305KS 6040 Poze-	3. 4" 11	, -		Bbls. Pu	ımped	Ra	te				Service	Log f	Petro i	nork I
Out of Hole W/O.P. (hydown Kelly. Right of Run S/2" Csg. 244 Start S/2" Csg. Shoe Joint Holding Whish Basket Type shoe. C. D. Baffle IN COVIAR-CENT, 1-3:5-7-9. Fill Csg.	Q30 p	n	t	<u> </u>		· · ·		onloc	. Ois	ces	s Sa	1 ' 1		771
Risup to Run 512" Csg. 24# Start 512" Csg. Shore Joint 16,66 who Backet Type shoe. C.D. Baffle e in Collar-cent 1-3.5-7-9. Fill Csg. 609 614 Pipe & 2099' F. 11 Csg. + cir. 610 800 Ell Basket Shoe Set e 800 W/R. o Cir. w/R. ig. Gump. 705 20 S Pump 20BRL 20% KCL 12 G Pump 12 BBIS Mad Flush 3 S Pump 3 BBIS H20 S Mix + Pump 105Ks 60440 Garanger 13 S Mix + Pump 125Ks (840/poz 0 15.4# Washout Pump + Live Diop L.D. Plug Start Disp. 110 Caught 1: ft - 32 BBIS 730 100 100 100 100 100 100 100				 				Right	Aging	do	<u>در ر</u>	0.1	p	
Start 5/2 css. Shoe Joint 16,666 w/ Basket Type shoe. C. D. Baffle in Collar-cent, 1-3.5-7-9. Fill css. 609 Pipe & Jogg F. II css. + cir. 614 Drop Setting Ball + cir. 620 Soo Fump Jobbs Mud Flush John Jobbs Mud Flush John Sol Fump Josks 6040 Facouser 13 Sump Josks 6040 Facouser 13 Mix + Pump Josks 6040 Facouser 13				-		***	***	out o	F /101	ew	10	<u>.C. L</u>	nydow	on Kelly.
W Backet Type shoe. (. D. Baffle in Collar - Cent 1-3-5-7-9. Fill Csg. 609 Pipe @ 2099' F. Il Csg. 4 cir. 610 Basket Shoe Set @ 800 WR.g. Cir. W. R. ig. Gump. Cir. W. R. ig. Gump. 20 S Pump 12 BBIS Mand Flush 2 S Pump 12 BBIS Mand Flush 3 S Pump 3 BBIS H20 5 S Mix + Pump 10 SKS 60/40 Granger 13 24 S Mix + Pump 10 SKS 60/40 Granger 13 24 S Mix + Pump 1255KS (840/poz. 0 1544) Washout Pump + Live Diop L. D. Plus Start Disp. Caught 1: Ft - 3 2 BBIS 730 100 100 100 100 100 100 100	مسرسور د	1		+	<u> </u>			Kisup	TOR	UN'.	5/	$2^{\prime\prime} \subset 0$	<u> </u>	4
	455			<u> </u>				Start.	5/20	-55	<u>ک</u> .	hoe	Join	7 16,66°
Fill Css. 609 Pipe @ 2099' F. II Css. + cir. 614 Drop Setting Boll + cir. 620 800 Spand Jobble 200 KCC 12 5 Pump 12 Bbls And Flush 3 5 Pump 3 Bbls H20 5 5 Mix + Pump 105Ks 6040 Genomore 13 26 5 Mix + Pump 125Ks (140/poz. 0 15.44 Washout Pump + Cirve Drop 1.0. Plus Start Disp. 127 Caugh + 1: Ft - 3 2 Bbls 730 107 108 108 108 109 100 100 100 100		**	· .	 		 .		10/ 15/	15 Ket	- , , ,		Shoe	<u>- (.1).</u>	BATTLE
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620 800 CIRWIR Sport Sport & 6800 MRG CIRWIR IS GUMP. 20 S Pump 20BBL 20% KCL 12 S Pump 12BBIS Mud Flush 3 S Pump 3BBIS H20 5 S MIX + Pump 105KS 60/40 GROWNER 13 26 S MIX + Pump 125SKS (340/POZ P 15.44) WAShout Pump 4Live Niop 1.0. Plus Start Disp. CAUGHT 1: Ft-32 BBIS 730 John 15/5 Jik of Plus Rathole W 305KS 60/40 Poz-	~ /									\boldsymbol{L}				
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705 12 5 Pump 12 BBIS And Flush 3 Shump 3 BBIS H20 5 Smix + pump 10 sks 60/40 snowyer 13 26 5 Mix + pump 125 sks (640/poz 0 15.44 washout Pump + Live Orop 2. D. Plus Start Disp. Caught 1: ft - 32 BBIS 730 10 Sold AN AN AND NOT Plus Rathole w/ 305Ks 60/40 Poz -				-				,	10	r. 6	VI AP	107 .		7
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26 5 Mix + pump 125 x Ks 1840/poz 0 15.4 M washout Pump + Live Diop 2. P. Plus Start Disp. Caught 1: Ft - 3 2 BB/s 730 John 154 Jike Down. 830 59 /har All Wedner Plus Rathole W/ 305Ks 60/40 Poz -				3			5	Pump	3 66	BLS.	<i>H</i> =	2 <i>0</i>		· · · · · · · · · · · · · · · · · · ·
Mashout Pump + Live Diop 2. D. Plus Start Disp. Caught 1: Ft - 32 BB/s 730 John 15/2 Jike Down. 830 59 /har All Midner Plus Rathole W/305Ks 60/40 Poz			- in				5	Mix +	puma	2/0	SK	c 601	40 54	4 confor [®] 13
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230 59 /harail Medra Plus RAThole W/ 305Ks 60/40 Poz-			,	, Fic				0 / (10.0	lus.		-	, 0	1
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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383		NE Hiwa	ay 61 • F	O. Box	8613 •	Pratt.	KS 67	124-8613	.ベラーha / 6 3 • (620)	້ ພ/ 672 - 1	ર∂ડ 201	• Fax	ッロノタン (620) 67	アッシュー 2-5383

KIM B. SHOEMAKER CONSULTING GEOLOGIST 316-684-9709 * WICHITA.KS GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG **ELEVATIONS** COMPANY L. D. DRILLING THE IFASE # 1-4 MAURICE KB___1981 FIFI D OTIS - ALBERT LOCATION ____ 2210 FAL 2 2310 FEL DESCRIPTIONS 1976 TWSP_ 195 RGF 15W Measurements Are All From_1981_K8 COUNTY ____ BARTON STATE KANSAS CASING CONTRACTOR PETROMARY RIG 2 SURFACE 85/8"0) 1011" PRODUCTION 51/2 2000' SPUD 8-12-2010 COMP 8-119-10 FLECTRICAL SURVEYS 3630 LTD 3633 DUAL IND. DENS. - N. MUD UP 2700 TYPE MUD CHEMICAL 2900 TO 3630 IN MINUTES FOOT DRILLING TIME KEPT FROM 1700:1900 2800 TO 3630 2800 TO 3630 3000 TO _3630 GEOLOGICAL SUPERVISION FROM 1800 GEOLOGIST ON WELL KIM B. SHOEMAKER SAMPLES FORMATION TOPS LUG Ö unhydrite 938+1043 ANHYDRITE 1836+145 1831+ 150 CHASE 1886 + 95 1885 + 96 WINFIELD 2929 - 948 2929 - 948 TOPEKA HEERNER 3173 - 1192 3173 - 1192 3243 - 1262 BROWN LIME LANSING 3251-1270 3252-1271





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DIAMOND TESTING

Drill Test Report

M015

L.D. DRLG

2010/08/15

MIKE COCHRAN

Representative MIKE COCHRAN

Well Operator

Report Date

General Information

Company Name

Contact
Well Name
Unique Well ID
Surface Location
Field

L.D. DAVIS
MAURICE #1-4
DST#1 CHASE/WINF. 1804-1894
SEC 4-19s-15w BARTON Co. Ks.
WILDCAT

Well Type Vertical Job Number

Test Information

Test Type CONVENTIONAL Prepared By Formation DST#1 CHASE/WINF. 1804-1894

Well Fluid Type 02 Gas

Test Purpose (AEUB) Initial Test

Start Test Time 23:11:00
Final Test Time 07:12:00

Start Test Date 2010/08/14

Final Test Date 2010/08/15

Gauge Name 30037

Test Type Name

Test Results

RECOVERED: 30' VSOCMW 1% GAS, 69% WTR, 30% MUD

242' VSOCMW 1% GAS, 78% WTR,28% MUD

272' TOTAL FLUID

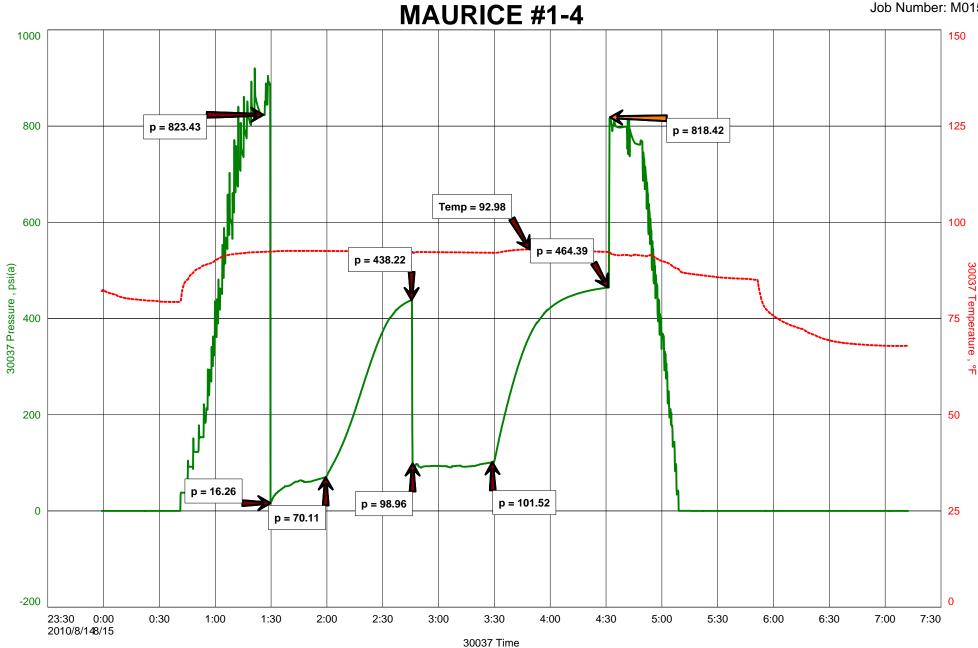
GAS TO SURFACE. 15 MIN INTO FINAL FLOW PERIOD

GAUGED @ 2,180 CF/D GAS BURNED NICELY

PH 10.5 CHLOR 88,000 RW .07@69 DEG DST#1 CHASE/WINF. 1804-1894

Start Test Date: 2010/08/14 Final Test Date: 2010/08/15 MAURICE #1-4 Formation: DST#1 CHASE/WINF. 1804-1894

Pool: WILDCAT Job Number: M015





P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

IME ON:	
IME OFF:	

Company		Lease & Well No				
Contractor						
Elevation Formation		Effective Pay		Ft. Ticket N	lo	
Date Sec Twp	S R	ange	_W County		_StateK	ANSAS
Test Approved By		Diamond Representative	e			
Formation Test No Interval Te	sted from	ft. to	ft. Total D	epth		ft.
Packer Depthft. Size	6 3/4 in.	Packer depth	f	t. Size	6 3/4	in.
Packer Depthft. Size	6 3/4 in.	Packer depth	f	t. Size	6 3/4	in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	ft.	Recorder Number	C	ар	P	.S.I.
Bottom Recorder Depth (Outside)	ft.	Recorder Number	C	ар	F	P.S.I.
Below Straddle Recorder Depth	ft.	Recorder Number	C	ар	P	P.S.I.
Mud Type Viscosity		Drill Collar Length	ft.	I.D	2 1/4	in
Weight Water Loss	сс	. Weight Pipe Length_	ft.	I.D	2 7/8	i
Chlorides	P.P.M.	Drill Pipe Length	ft.	I.D	3 1/2	ir
Jars: MakeSTERLINGSerial Number		Test Tool Length	ft.	Tool Size	3 1/2-IF	<u> </u>
Did Well Flow?Reversed Ou	ıt	Anchor Length	ft.	Size	4 1/2-F	Hi
Main Hole Size 7 7/8 Tool Joint Siz	re4_1/2in.	Surface Choke Size_	in.	Bottom C	hoke Size_	5/8_i
Blow: 1st Open:						
2nd Open:						4
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of			Pri	ce Job		
Recoveredft. of			Ot	her Charges	3	
Remarks:			Ins	surance		
				tal		
A.M. Time Set Packer(s)P.M.	Time Started Off Bo	ottom	A.M. P.M. Maximu	ım Tempera	ature	
Initial Hydrostatic Pressure		(A)	P.S.I.			
Initial Flow Period Min	utes	(B)	P.S.I. to (C)	P.S.	.1.
Initial Closed In Period Mir	utes	(D)	P.S.I.			
Final Flow PeriodMin	utes	(E)	P.S.I. to (F)		P.S.I	l.
Final Closed In PeriodMin	utes	(G)	P.S.I.			
Final Hydrostatic Pressure		(H)	P.S.I.			

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



DIAMOND TESTING

P. O. Box 157 HOISINGTON, KANSAS 67544 (316) 653-7550

GAS VOLUME REPORT

Company L.D. DRLG	Lease & Well No. MAURICE #1-4	
Date 08/15/2010 Sec. 4Twp. 19S Rge. 15 W Lo	cationBARTON	KS
Drilling Contractor PETROMARK RIG #2	Formation CHASE/WINF.	DST No1
Remarks: DST#1 1804-1894 30-45-45-60		
GAS TO SURFACE 15 MIN INTO 2ND OPENII	NG. GAUGED@ 2,180 CF/D. GAS BURN	IED NICELY

INITIAL FLOW PSI

Time O'Clock	Orifice Size	Gauge	CF/D
	ìn.	in.	
	in.	in,	
	in.	ìn.	
	ia.	i n.	
	in.	ín.	
	in,	in.	
	in.	in.	

FINAL FLOW INCHES OF WATER

Time O'Clock	Orifice Size	Gauge	CF/D
3:05 A.M.	1.000 in.	TSTM in.	TSTM
3:10 A.M.	0.125 in.	9 OZ/IN. SQ. in.	1,590
3:20 A.M.	0.125 _{in.}	9 in.	1,590
3:25 A.M.	0.125 in.	14 _{in.}	1,980
3:30 A.M.	0.125 in,	17 _{in.}	2,180
	in.	in,	
	in,	in.	
	in.	in.	
	in.	in,	
	in.	in.	

SAMPLE TAKEN -YES

FINAL FLOW---- 17 OZ/SQ IN.

DIAMOND TESTING

Drill Test Report

M016

L.D. DRLG 2010/08/17

Representative MIKE COCHRAN

Well Operator

Report Date

General Information

Company Name L.D. DRLG

Contact
Well Name
Unique Well ID
Surface Location
Field

L.D. DAVIS
MAURICE #1-4
DST#2 LANS. A & B 3246-3300
SEC 4-19s-15w BARTON Co. Ks.
WILDCAT

Well Type Vertical Job Number

Test Information

Test Type CONVENTIONAL Prepared By MIKE COCHRAN Formation DST#2 LANS. A & B 3246-3300

Well Fluid Type 01 Oil

Test Purpose (AEUB) Initial Test

Start Test Time 04:41:00 Final Test Time 12:43:00

Start Test Date 2010/08/17

Final Test Date 2010/08/17

Gauge Name 30037

Test Type Name

Test Results

RECOVERED: 45' OF MW, 65% WTR, 35% MUD

1449' OF MW, 98% WTR, 2% MUD 105' OF MW, 97% WTR, 3% MUD

15' MUD

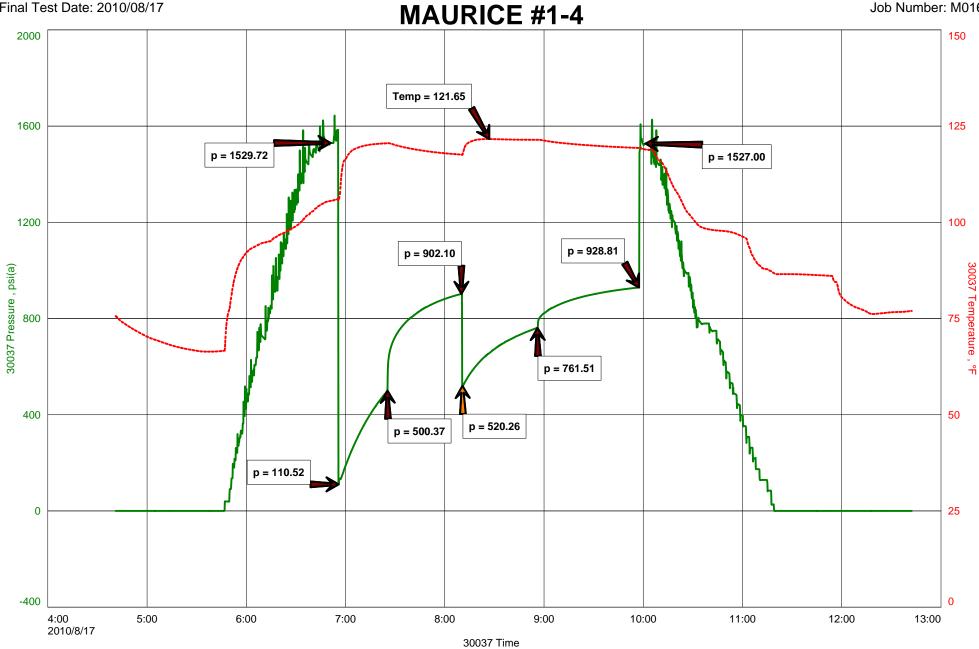
1614' TOTAL FLUID

TOOL SAMPLE: 98 1/2% WTR, 1 1/2% MUD

PH 8.5

CHLOR 68,000 Ppm RW .06@75 DEG. L.D. DRLG DST#2 LANS. A & B 3246-3300 Start Test Date: 2010/08/17 Final Test Date: 2010/08/17 MAURICE #1-4 Formation: DST#2 LANS. A & B 3246-3300

Pool: WILDCAT Job Number: M016





P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

IME ON:	
IME OFF:	

Company		Lease & Well No				
Contractor						
Elevation Formation		Effective Pay		Ft. Ticket N	lo	
Date Sec Twp	S R	ange	_W County		_StateK	ANSAS
Test Approved By		Diamond Representative	e			
Formation Test No Interval Te	sted from	ft. to	ft. Total D	epth		ft.
Packer Depthft. Size	6 3/4 in.	Packer depth	f	t. Size	6 3/4	in.
Packer Depthft. Size	6 3/4 in.	Packer depth	f	t. Size	6 3/4	in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	ft.	Recorder Number	C	ар	P	.S.I.
Bottom Recorder Depth (Outside)	ft.	Recorder Number	C	ар	F	P.S.I.
Below Straddle Recorder Depth	ft.	Recorder Number	C	ар	P	P.S.I.
Mud Type Viscosity		Drill Collar Length	ft.	I.D	2 1/4	in
Weight Water Loss	сс	. Weight Pipe Length_	ft.	I.D	2 7/8	i
Chlorides	P.P.M.	Drill Pipe Length	ft.	I.D	3 1/2	ir
Jars: MakeSTERLINGSerial Number		Test Tool Length	ft.	Tool Size	3 1/2-IF	ir
Did Well Flow?Reversed Ou	ıt	Anchor Length	ft.	Size	4 1/2-F	Hi
Main Hole Size 7 7/8 Tool Joint Siz	re4_1/2in.	Surface Choke Size_	in.	Bottom C	hoke Size_	5/8_i
Blow: 1st Open:						
2nd Open:						4
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of			Pri	ce Job		
Recoveredft. of			Ot	her Charges	3	
Remarks:			Ins	surance		
				tal		
A.M. Time Set Packer(s)P.M.	Time Started Off Bo	ottom	A.M. P.M. Maximu	ım Tempera	ature	
Initial Hydrostatic Pressure		(A)	P.S.I.			
Initial Flow Period Min	utes	(B)	P.S.I. to (C)	P.S.	.1.
Initial Closed In Period Mir	utes	(D)	P.S.I.			
Final Flow PeriodMin	utes	(E)	P.S.I. to (F)		P.S.I	l.
Final Closed In PeriodMin	utes	(G)	P.S.I.			
Final Hydrostatic Pressure		(H)	P.S.I.			

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

IME ON:	
IME OFF:	

Company		Lease & Well No				
Contractor						
Elevation Formation		Effective Pay		Ft. Ticket N	lo	
Date Sec Twp	S R	ange	_W County		_StateK	ANSAS
Test Approved By		Diamond Representative	e			
Formation Test No Interval Te	sted from	ft. to	ft. Total D	epth		ft.
Packer Depthft. Size	6 3/4 in.	Packer depth	f	t. Size	6 3/4	in.
Packer Depthft. Size	6 3/4 in.	Packer depth	f	t. Size	6 3/4	in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	ft.	Recorder Number	C	ар	P	.S.I.
Bottom Recorder Depth (Outside)	ft.	Recorder Number	C	ар	F	P.S.I.
Below Straddle Recorder Depth	ft.	Recorder Number	C	ар	P	P.S.I.
Mud Type Viscosity		Drill Collar Length	ft.	I.D	2 1/4	in
Weight Water Loss	сс	. Weight Pipe Length_	ft.	I.D	2 7/8	i
Chlorides	P.P.M.	Drill Pipe Length	ft.	I.D	3 1/2	ir
Jars: MakeSTERLINGSerial Number		Test Tool Length	ft.	Tool Size	3 1/2-IF	<u> </u>
Did Well Flow?Reversed Ou	ıt	Anchor Length	ft.	Size	4 1/2-F	Hi
Main Hole Size 7 7/8 Tool Joint Siz	re4_1/2in.	Surface Choke Size_	in.	Bottom C	hoke Size_	5/8_i
Blow: 1st Open:						
2nd Open:						4
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of			Pri	ce Job		
Recoveredft. of			Ot	her Charges	3	
Remarks:			Ins	surance		
				tal		
A.M. Time Set Packer(s)P.M.	Time Started Off Bo	ottom	A.M. P.M. Maximu	ım Tempera	ature	
Initial Hydrostatic Pressure		(A)	P.S.I.			
Initial Flow Period Min	utes	(B)	P.S.I. to (C)	P.S.	.1.
Initial Closed In Period Mir	utes	(D)	P.S.I.			
Final Flow PeriodMin	utes	(E)	P.S.I. to (F)		P.S.I	l.
Final Closed In PeriodMin	utes	(G)	P.S.I.			
Final Hydrostatic Pressure		(H)	P.S.I.			

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

Drill Test Report

General Information

Company Name L.D. DRLG

Contact L.D. DAVIS
Well Name MAURICE #1-4
Unique Well ID DST#3 L/KC I.J. 3415-3465
Surface Location SEC 4-19s-15w BARTON Co. Ks.
Field WILDCAT

Well Type Vertical Job Number M017
Representative MIKE COCHRAN

Test InformationWell Operator
Report DateL.D. DRLG
2010/08/18Test TypeCONVENTIONALPrepared ByMIKE COCHRAN

Test Type CONVENTIONAL Prepared By MIKE COCHRAN Formation DST#3 L/KC I.J. 3415-3465 Well Fluid Type 01 Oil

Test Purpose (AEUB) Initial Test

Start Test Time 23:25:00

Final Test Time 06:51:00

Start Test Date 2010/08/17
Final Test Date 2010/08/18

Gauge Name Gauge 1

Test Type Name

Test Results

RECOVERED: 75' GWCM 4% GAS, 2% WTR, 94% MUD 75' TOTAL FLUID

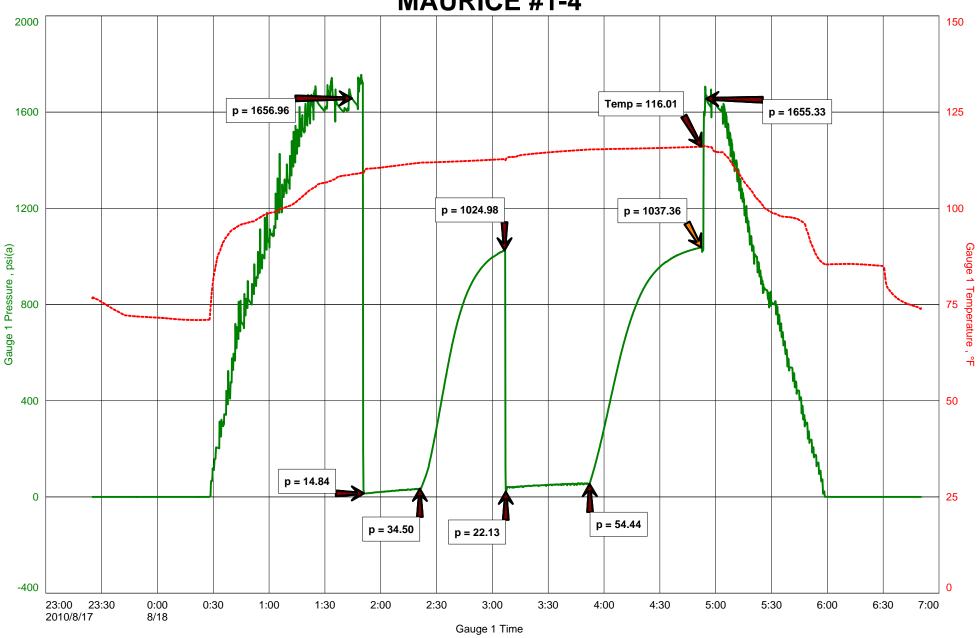
TOOL SAMPLE: 1% GAS, 27% WTR, 72% MUD, LIGHT SCUM OF OIL

L.D. DRLG DST#3 L/KC I.J. 3415-3465 Start Test Date: 2010/08/17 Final Test Date: 2010/08/18

MAURICE #1-4 Formation: DST#3 L/KC I.J. 3415-3465

Pool: WILDCAT Job Number: M017







DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 STC 30037.D018

Page 1 of 2 Pages

Company L. D. Drilling, Inc.	Lease & Well No. Maurice No. 1-4
Elevation 1981 KB Formation Reagan	Effective PayFt. Ticket No. M018
Date 8-18-10 Sec. 4 Twp. 19S Range 15	5W County Barton State Kansas
Test Approved By Kim B. Shoemaker	
Formation Test No. 4 Interval Tested from 3,481	ft. to 3,571 ft. Total Depth 3,571 ft.
Packer Depth 3,476 ft. Size 63/4 in.	Packer Depth ft. Size in.
Packer Depth 3,481 ft. Size 63/4 in.	Packer Depth
Depth of Selective Zone Setft.	
Top Recorder Depth (Inside)3,468_ft.	Recorder Number 30037 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,568 ft.	Recorder Number 13386 Cap. 3,875 psi
Below Straddle Recorder Depthft.	Recorder Number Cappsi
Drilling Contractor Petromark Drilling, LLC - Rig 2	Drill Collar Length 120 ft. I.D. 2 1/4 in
Mud Type Chemical Viscosity 52	Weight Pipe Length ft. I.Di
Weight 9.3 Water Loss 10.8 cc.	Drill Pipe Length 3,397 ft. I.D. 31/2 in
Chlorides 6,800 P.P.M.	Test Tool Length 27 ft. Tool Size 3 1/2 - IF in
Jars: Make Sterling Serial Number_ Not Run	Anchor Length 27' perf. w/ 63' drill pipe Size 41/2-FH in
Did Well Flow? No Reversed Out No	Surface Choke Size1 in. Bottom Choke Size5/8 in
	Main Hole Size 77/8 in. Tool Joint Size 4 1/2-XH in
2nd Open: Fair, surface blow. Off bottom of bucke	
Recovered 398 ft. of muddy water = 5.663540 bbls. (Grind	
Recovered 1,449 ft. of very slightly mud cut water = 20.61	
Recovered 120 ft. of very slightly mud cut water = 5.904	
Recovered 1,967 ft. of TOTAL FLUID = 26.873210 bb1s	•
Recovered ft. of	
Remarks Tool Sample Grind Out: 1%-mud; 99%-wat	er Chlorides: 68,000 Ppm PH: 7.5
	Ř₩: ´10 @ 70°
T 40 XXW.	AXX.
Time Set Packer(s) 7:10 P.M. Time Started Off	Bottom 10:10 P.M. Maximum Temperature 129°
Initial Hydrostatic Pressure	(A)P.S.I.
Initial Flow Period Minutes 30	_(B)P.S.I. to (C)P.S.I.
Initial Closed In Period Minutes 45	(D) 969 P.S.I.
Final Flow Period Minutes 45	(E) 720 P.S.I. to (F) 955 P.S.I.
Final Closed In Period Minutes 60	(G) 979 P.S.I.
Final Hydrostatic Pressure	(H) 1720 P.S.I.
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DIAMOND TESTING

Page 2 of 2 Pages

Drill Test Report

M018

L.D. DRLG

MIKE COCHRAN

General Information

Company Name L.D. DRLG

Contact L.D. DAVIS
Well Name MAURICE #1-4
Unique Well ID DST#4 REAGAN 3481-3571

Surface Location SEC 4-19s-15w BARTON Co. Ks.

Field WILDCAT
Well Type Vertical

ven Type Vendoal

Test Information

Test Type CONVENTIONAL Prepared By MIKE COCHRAN

Formation DST#4 REAGAN 3481-3571 Well Fluid Type 01 Oil

Test Purpose (AEUB) Initial Test

Start Test Time 17:00:00 Final Test Time 01:50:00

Job Number

Representative

Well Operator

Start Test Date 2010/08/18

Final Test Date 2010/08/19

Gauge Name 30037 Test Type Name

Test Results

RECOVERED: 398' OF MW 50% WTR, 50% MUD

1449' OF VSMCW 98% WTR, 2% MUD 120' OF VSMCW 98% WTR, 2% MUD

1967' TOTAL FLUID

TOOL SAMPLE: 99% WTR, 1% MUD

PH 7.5 CHLOR 68,000 Ppm RW .1 @ 70 DEG. MAUKICE #1-4 Formation: DST#4 REAGAN 3481-3571 Pool: WILDCAT Job Number: M018 30037 Temperature, °F 150 120 8 စ္တ 0 2:00 1:00 0:00 8/19 p = 1720.2723:00 **MAURICE #1-4** 22:00 p = 979.17p = 954.9721:00 p = 720.20p = 969.30p = 711.2820:00 Temp = 128.87 19:00 p = 209.00p = 1733.65DST#4 REAGAN 3481-3571 Start Test Date: 2010/08/18 Final Test Date: 2010/08/19 18:00 17:00 2010/8/18 2000 1500 (s)ieq , enuesent 75005 0 -500 500

30037 Time