KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1082130

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 # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2:
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: JOSH AUSTIN
Purchaser: M V PURCHASING

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [x] Oil [ ] WSW [ ] SWD [ ] SIOW
- [ ] Gas [ ] D&A [ ] ENHR [ ] SIGW
- [ ] OG [ ] GSW [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic [ ] Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening [ ] Re-perf. [ ] Conv. to ENHR [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

02/20/2012	02/25/2012	03/01/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25661-00-00
Spot Description:
NW - SE - NE - SW Sec. 19 Twp. 16 S. R. 13 [ ] East [x] West
1910 Feet from [ ] North / [x] South Line of Section
2010 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Barton
Lease Name: SALVINO Well #: 3-19
Field Name: TRAPP
Producing Formation: ARBUCKLE
Elevation: Ground: 1941 Kelly Bushing: 1948
Total Depth: 3479 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 900 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 5000 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. [ ] East [ ] West
County: Permit #:

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:
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [ ] I [x] II [ ] III Approved by: Deanna Garrison Date: 05/22/2012

Side Two

1082130

Operator Name: L. D. Drilling, Inc. Lease Name: SALVINO Well #: 3-19

Sec. 19 Twp. 16 S. R. 13 ☐ East ☑ West County: Barton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Electric Log Submitted Electronically *(If no, Submit Copy)*	☑ Yes	☐ No

List All E. Logs Run:

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3382 - 3386'		

TUBING RECORD: Size: 2.875 Set At: 3479 Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 03/02/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SALVINO 3-19
Doc ID	1082130

Tops

TOPEKA	2845	-897
HEEBNER	3081	-1133
TORONTO	3098	-1150
DOUGLAS	3111	-1163
BROWN LIME	3157	-1209
LANSING	3168	-1220
BASE KANSAS CITY	3374	-1426
ARBUCKLE	3376	-1430

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SALVINO 3-19
Doc ID	1082130

Casing

SURFACE	12.25	8.625	24	900	A-CON BLEND	200	
SURFACE CONT	12.25	8.625	24	900	COMMON	200	3%CC,1/4 # CelFlake
PRODUCTION	7.78	5.5	14	3479	COMMON	175	2%Gel,1/4 #CelFlake
RATHOLE	7.78	5.5	14	3479	60/40 POZMIX	30	

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 04641 A

DATE TICKET NO.

DATE OF JOB 3-21-2012	DISTRICT PRATT, KS.	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐	CUSTOMER ORDER NO.:
CUSTOMER L.D. DRILLING, INC.		LEASE SALWIN	WELL NO. 3-19
ADDRESS		COUNTY BARTON	STATE KS.
CITY	STATE	SERVICE CREW LESLEY, MARQUEZ, BOWER	
AUTHORIZED BY		JOB TYPE: CNW - 2 5/8 S.P.	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
375816	1				
19849-19843	1				
19960-19943	1				

	DATE		TIME
TRUCK CALLED	3-21-2012	AM PM	5:30
ARRIVED AT JOB		AM PM	8:00
START OPERATION		AM PM	10:30
FINISH OPERATION		AM PM	11:15
RELEASED		AM PM	12:15
MILES FROM STATION TO WELL			75

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: X _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 101	A-CON BLEND	SK	200		3,600 00
CP 100	COMMON CEMENT	SK	200		3,200 00
CC 102	CELL-FLAKE	lb	100		370 00
CC 109	CALCIUM CHLORIDE	lb	940		987 00
CF 105	TOP RUBBER CMT. PLUG 5 1/2"	EA	1		225 00
CF 753	ALUMINUM BAFFLE PLATE 5 1/2"	EA	1		170 00
E 100	PICKUP MILEAGE	MI	75		318 75
E 101	HEAVY EQUIPMENT MILEAGE	MI	150		1,050 00
E 113	BULK DELIVERY CHARGE	TM	140		2,256 00
CE 201	DEPTH CHARGE 501-1000	HR	1 4		1,200 00
CE 240	BLENDING SERVICE CHARGE	SK	400		560 00
CE 504	PLUG CONTAINER CHARGE	JOB	1		250 00
S 003	SERVICE SUPERVISOR	EA	1		175 00

SUB-TOTAL 11,345 [illegible]

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

SERVICE REPRESENTATIVE Lesley

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC energy services, L.P.

TREATMENT REPORT

Customer: L D DRILLING, INC.	Lease No.			Date: 2-21-2012	
Lease: SALVINO	Well #: 3-19				
Field Order #: 04049	Station: PRATT, KS.	Casing: 8 5/8"	Depth	County: BARTON	State: KS.
Type Job: CNW - 8 5/8" S.P.		Formation: TD = 913'		Legal Description: 19-16-13	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8 X 24#	Tubing Size	Shots/Ft		Acid: 200SK A-CON	RATE	PRESS	ISIP
Depth: 900.84'	Depth	From	To	Pre Pad: @2.12 CUFT	Max: S. J. =	39.84'	5 Min.
Volume: 37.29 BBL	Volume	From	To	Pad: 200SK COMMON	Min		10 Min.
Max Press: 500	Max Press	From	To: MT -	Frac: @1.20 CUFT	Avg		15 Min.
Well Connection: P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: Del. 05'	Packer Depth	From	To	Flush: 54.7 BBL H2O	Gas Volume		Total Load

Customer Representative: L D DAVIS | Station Manager: D. SCOTT | Treater: K. LESLEY

Service Units	37586	19889	17843	19960	19918						
Driver Names	LESLEY	MARQUEZ	—	YOUNG	—						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00 AM					ON LOCATION - SAFETY MEETING
8:15 AM					SPOT TRUCKS ON LOCATION
9:30 AM					RUN 22 JTS. 8 5/8" X 24# CSG.
10:35 AM					CSG. ON BOTTOM
10:40 AM					HOOKUP TO CSG. / BREAK CIRC. W/ RIG
11:04 AM	300		5	6	H2O AHEAD
11:05 AM	200		75.5	6	MIX 200 SKS A-CON @ 12.6 PPG
11:23 AM	100		42.5	6	MIX 200 SKS COMMON @ 15.6 PPG
11:30 AM					SHUT DOWN - RELEASE TOP RUB. PLUG
11:31 AM	0		0	4	START DISPLACEMENT
11:42 AM	300		45	3	SLOW RATE
11:45 AM	500		54.7	3	PLUG DOWN - CLOSE IN AT HEAD
					CIRC. THRU JOB
					CIRC. 5 BBL TO PIT
					JOB COMPLETE,
					THANKS -
					KELEN LESLEY

Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 05243 A

DATE TICKET NO.

DATE OF JOB 2-25-12 DISTRICT Kansas	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L. D. Drilling, Inc.	LEASE Soluna WELL NO. 2-10
ADDRESS	COUNTY Barton 19-16-13 STATE Kansas
CITY STATE	SERVICE CREW Allen, Justin Bowers
AUTHORIZED BY	JOB TYPE: 5 1/2" L.S. new

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
28493 P.U.	2				
33704K 20510	2				
19851 19862	2				

	DATE	AM/PM	TIME
TRUCK CALLED	2-25-12	AM	800
ARRIVED AT JOB	2-25-12	AM	1200
START OPERATION	2-25-12	PM	300
FINISH OPERATION	2-25-12	PM	500
RELEASED	2-25-12	PM	600
MILES FROM STATION TO WELL	2 miles		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP100	Common cement	SK	175		2800 00
CP103	60/40 Poz	SK	30		360 00
CC102	Cell Flake	lb	44		162 80
CC112	Cement Friction Reducer	lb	50		300 00
CC113	Gypsum	lb	825		618 75
CC129	FWA-322	lb	50		375 00
CC200	Cement Gel	lb	330		82 50
CE105	Top Rubber cement Plug 5 1/2"	EA	1		105 00
CF1251	Guide Shoe Reg 5 1/2" Blue	EA	1		250 00
CF1451	Flapper Type Insert Float Valve	EA	1		215 00
CF1651	Turbolizer 5 1/2" Blue	EA	6		660 00
CC151	MAUD Flush	GAL	1000		460 00
E100	Unit mileage charge Pickup	mi	75		318 75
E101	Heavy Equip. mileage	mi	150		1050 00
E113	Bulk Delivery chg	TM	346		1146 00
CE204	Depth Charge 3001-4000'	4 hr	1		2160 00
CE240	Blending & mixing Service chg	SK	200		297 00
CE504	Plug container Utilization chg	Job	1		250 00
S003	Service Supervisor first Hr	EA	1		175 00
				SUB TOTAL	9618 58

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

SERVICE REPRESENTATIVE Allen Ward

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: L. D. Drilling, INC	Lease No.		Date: 2-25-12
Lease: Alvino 3-19	Well #: 3-19		
Field Order #: 20524A	Station: Pratt	Casing: 5 1/2	Depth: 3496
County: Barton	State: Ks		
Type Job: 5 1/2" Long String. Cmt'd	Formation: RTD 3499		Legal Description: 19-16-13

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5 1/2	Tubing Size	Shots/Ft		Acid: 24 BBL mud Flush	RATE	PRESS	ISIP
Depth: 3496	Depth	From	To	Pre Pad: 175 sks common	Max @ 14.73 #		5 Min.
Volume: 22 1/2	Volume	From	To	Pad: 30 sks 60/40 Poz	Min Plug R.H.		10 Min.
Max Press: 1000 #	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 3461.55	Packer Depth	From	To	Flush: Disp H20	Gas Volume		Total Load

Customer Representative: Jim TP | Station Manager: Scotty | Treater: Allen

Service Units	28843	33708	20520	19831	19862						
Driver Names	Allen	Joe	Nelson	Justin	Bowen						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00 pm					on Loc. Discuss Safety, setup Plan Job.
1:40					start 5 1/2" csg. TP # S.J. 14.15'
					w/ Reg. Guide Shoe, Auto Fill Insert
					in collar - cent - 1-2-3-5-7-9-11
3:00					Tag Bottom @ 3479' set @ 3496
					C.R. w/ Rig Good circ.
3:45	200#		24	5	Pump 1000 gal mud Flush
	5		5	5	Pump 5 BBL H20 spacer
				5	mix & Pump 175 sk com @ 14.7#,
			44 1/2		Finish mix, wash out Pump & Line
				5 1/2	Drop Top Rubber Plug 5 1/2" Start Disp
	500#			4	caught Lift 58 BBL out
4:45	1000#		84 1/2	3 1/2	Plug down
	0#				Release PSI OK.
5:00+			7.		Plug RAT Hole w/ 30 sks 60/40 Poz
					Wash up & Rack up Equip.
6:00					Job complete
					thanks Allen Joe Justin B.

Taylor Printing, Inc. 620-672-3658

OPERATION

Company:	L.D. Drilling Inc.		
Address:	7 SW 25th Ave Great Bend, Kansas 67530		
Contact Geologist:			
Contact Phone Nbr:			
Well Name:	Salvino #3-19		
Location:	NW-SE-NE-SW 19-16s-13w	API:	15-009-25661-00-00
Pool:		Field:	Trapp
State:	Kansas	Country:	USA

Scale 1:240 Imperial

Well Name:	Salvino #3-19		
Surface Location:	NW-SE-NE-SW 19-16s-13w		
Bottom Location:	8 5/8" @ 913'		
API:	15-009-25661-00-00		
License Number:			
Spud Date:	2/20/2012	Time:	3:34 PM
Region:	Barton County		
Drilling Completed:	2/25/2012	Time:	5:50 PM
Surface Coordinates:	1910' From South Line & 2010' From West Line		
Bottom Hole Coordinates:			
Ground Elevation:	1943.00ft		
K.B. Elevation:	1948.00ft		
Logged Interval:	2800.00ft	To:	3479.00ft
Total Depth:	3478.00ft		
Formation:	Arbuckle		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:		Latitude.	
N/S Co-ord:	1910' From South Line		
E/W Co-ord:	2010' From West Line		

LOGGED BY

Company:	Musgrove Petroleum		
Address:			
Phone Nbr:	620-546-3960		
Logged By:	Geologist	Name:	Josh Austin

CONTRACTOR

Contractor:	Petromark Drilling LLC		
Rig #:	2		
Rig Type:	mud rotary		
Spud Date:	2/20/2012	Time:	3:34 PM
TD Date:	2/25/2012	Time:	5:50 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1948.00ft	Ground Elevation:	1943.00ft
K.B. to Ground:	5.00ft		

NOTES

On the basis of the positive Arbuckle drill stem test. 5 1/2" production casing was set and cemented to further test the Arbuckle.

L.D. Drilling, Inc.

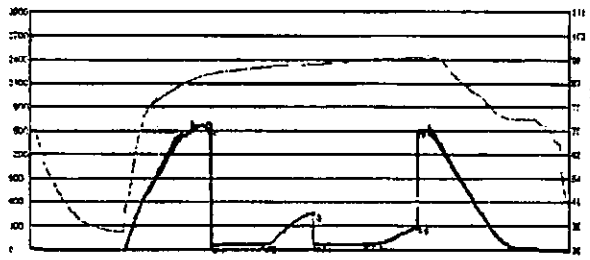
well comparison sheet

	DRILLING WELL Salvino 3-19				COMPARISON WELL Swaar 2				COMPARISON WELL Salvino 1-19				COMPARISON WELL Swaar 2 A			
	1948 KB				1949 KB		Structural Relationship		1954 KB		Structural Relationship		1943 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	2866	-918	2863	-915					2852	-898	FLAT	1	2850	-908	13	11
Heebner	3089	-1141	3081	-1133	3089	-1141	7	8	3087	-1133	-1	FLAT	3086	-1144	12	13
Toronto	3107	-1159	3098	-1150	3111	-1162	14	13	3123	-1169	FLAT	-1	3106	-1163	13	12
Douglas	3112	-1164	3111	-1163					3117	-1163	-1	FLAT	3120	-1178	14	15
Brown Lime	3136	-1218	3127	-1209	3147	-1219	0	10	3143	-1209	-2	-1	3149	-1223	13	14
Lansing	3170	-1222	3160	-1220	3178	-1230	8	10	3172	-1218	-4	-2	3176	-1232	10	12
Base KC	3374	-1426	3374	-1425					3331	-1427	1	1				
Arbuckle	3383	-1435	3376	-1430	3393	-1445	10	15	3388	-1434	-1	4	3352	-1650	15	20
Total Depth	3478	-1530	3479	-1531	3403	-1453			3434	-1240			3460	-1518		

RICKETTS TESTING

GENERAL INFORMATION

RECOVERY



GENERAL INFORMATION

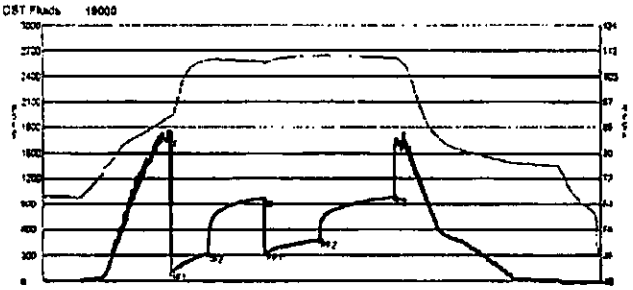
Test # 2 Test Date 2/24/2012
Tester Jimmy Ricketts
Test Type Conventional Bottom Hole
Successful Test
# of Packers 2.0 Packer Size 6 3/4
Mud Type Gel Chem
Mud Weight 9.3 Viscosity 56.0
Fltrate 8.8 Chlorides 6000
Drill Collar Len 116.0
Weight Pipe Len 0
Formation Arbuckle
Interval Top 3372.0 Bottom 3409.0
Anchor Len Below 28.0 Between 0
Total Depth 3460.0
Flow Type Weak blow building to strong blow 2 minutes into initial flow period. 1/2 inch blow back during initial shut-in period. Weak blow building to strong blow 9 minutes into final flow period. 1 inch blow back during final shut-in period. Times: 30, 45 45, 60. API gravity of oil was 48.

Choke 3/4 Hole Size 7 7/8
Top Recorder # 13787
Mid Recorder #
Bott Recorder # w1022
Mileage 22 Approved By
Standby Time 0
Extra Equipment None
Time on Site 2:45 PM
Tool Picked Up 3:10 PM
Tool Layed Down 8:40 PM
Elevation 1843.00 Kelley Bushings 1848.00
Start Date/Time 2/24/2012 2:45 PM
End Date/Time 2/24/2012 10:23 PM

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
100	Gas in pipe	100% 100ft	0% 0ft	0% 0ft	0% 0ft
220	Clean oil	0% 0ft	100% 220ft	0% 0ft	0% 0ft
315	Gassy mud and heavy water cut oil	9% 28.4ft	63% 198 9ft	20% 63ft	8% 25.2ft
585	Oil and mud cut water	0% 0ft	9% 41.1ft	82% 361.7ft	12% 52.2ft

DST Fluids 19000



ROCK TYPES

Dolomite — shale, grn — Carbon Sh
Limestone — shale, gry

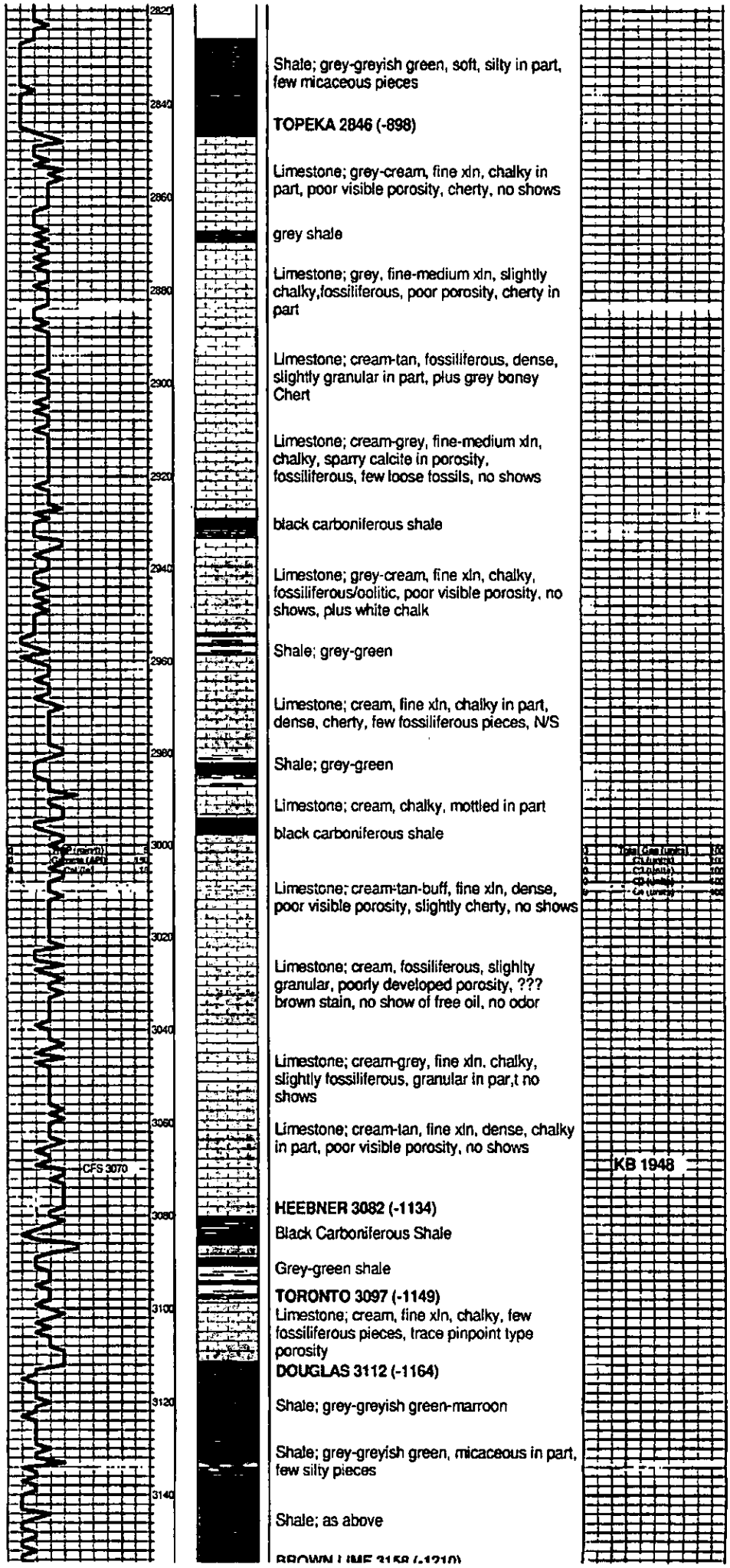
OTHER SYMBOLS

DST
DST Int
DST alt
Core
tail pipe

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial

Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial



Shale; grey-greyish green, soft, silty in part, few micaceous pieces

TOPEKA 2846 (-898)

Limestone; grey-cream, fine xln, chalky in part, poor visible porosity, cherty, no shows

grey shale

Limestone; grey, fine-medium xln, slightly chalky,fossiliferous, poor porosity, cherty in part

Limestone; cream-tan, fossiliferous, dense, slightly granular in part, plus grey bonsy Chert

Limestone; cream-grey, fine-medium xln, chalky, sparry calcite in porosity, fossiliferous, few loose fossils, no shows

black carboniferous shale

Limestone; grey-cream, fine xln, chalky, fossiliferous/oolitic, poor visible porosity, no shows, plus white chalk

Shale; grey-green

Limestone; cream, fine xln, chalky in part, dense, cherty, few fossiliferous pieces, N/S

Shale; grey-green

Limestone; cream, chalky, mottled in part

black carboniferous shale

Limestone; cream-tan-buff, fine xln, dense, poor visible porosity, slightly cherty, no shows

Limestone; cream, fossiliferous, slighlty granular, poorly developed porosity, ??? brown stain, no show of free oil, no odor

Limestone; cream-grey, fine xln, chalky, slightly fossiliferous, granular in par,t no shows

Limestone; cream-tan, fine xln, dense, chalky in part, poor visible porosity, no shows

HEEBNER 3082 (-1134)

Black Carboniferous Shale

Grey-green shale

TORONTO 3097 (-1149)

Limestone; cream, fine xln, chalky, few fossiliferous pieces, trace pinpoint type porosity

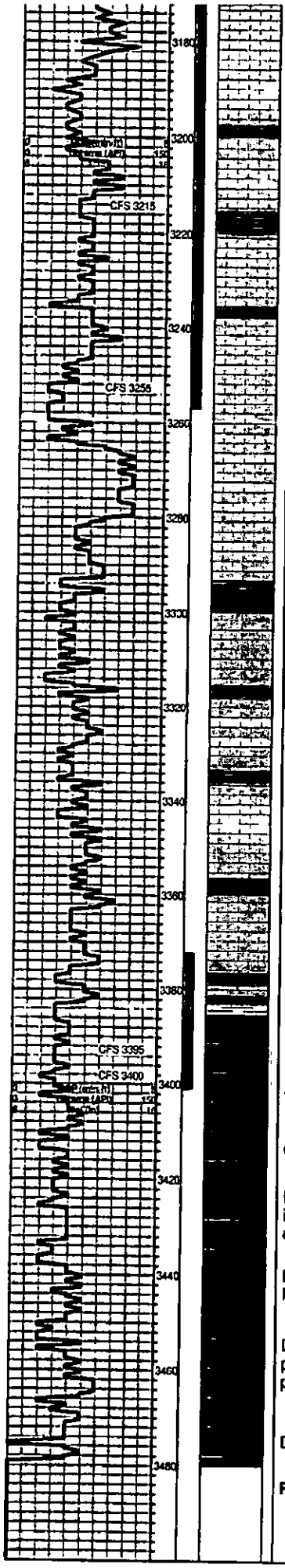
DOUGLAS 3112 (-1164)

Shale; grey-greyish green-marroon

Shale; grey-greyish green, micaceous in part, few silty pieces

Shale; as above

BROWN LIME 3158 (-1210)



chalky, few scattered oolicastic-fossil cast type porosity, golden brown-brown stain, trace spotty free oil, very faint odor

Limestone; cream, fine xln, chalky, trace sub oomoldic type porosity, sparry calcite, few fossils, no shows, plus white chalk

Limestone; cream-tan, fine xln, dense slightly chert, poor visible porosiy no shows

grey-marroon shale

Limestone; cream-grey, chalky, slightly fossiliferous, oolitic in part, sparry calcite cementing, trace inter xln porosity, golden brown stain, trace free oil, ??? odor

Limestone; cream, oomoldic, fair-good oomoldic porosity, brown stain, show of free oil, faint odor

Limestone; cream-tan, slightly fossiliferous, few oolitic pieces, dense, chalky in part, poor visible porosity, no shows, trace tan boney chert

Limestone as above

black carboniferous shale, plus grey shale

Limestone; cream- tan, fine xln, chalky, dense, slightly fossiliferous, poorly developed porosity, no shows

Limestone; cream, fine xln, fossiliferous, few scattered porosity, sparry calcite in part, no shows, abundant uphole caving

Limestone; cream-white, fine xln, chalky, few sub oomoldic type porosity (barren)

Trace black carboniferous shale plus variety of colored shale

Limestone; buff-cream, fine xln, dense slightly cherty, poor visible porosity

BASE KANSAS CITY 3374 (-1426)
black carboniferous shale, plus grey-green shale

Very Poor Samples 95% shale

ARBUCKLE 3386 (-1438)
Dolomite; cream, fine xln, sucrosic in part, fair inter xln porosity, golden brown stain, show of free oil, faint-fair odor

Dolomite; cream-grey, fine-medium xln, dense, poor visible porosity no shows

Dolomite; cream-tan, fine-medium xln, few inter xln type porosity, no shows, slighlty cherty

Dolomite as above, slightly sucrosic in part. N/S

Dolomite; buff-tan, fine xln, few finely oolitc pieces, dense, poor porosity, cherty in part, plus white boney chert, no shows

Dolomite and Chert as above no shows

ROTARY TOTAL DEPTH 3478 (-1530)

Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)

DST #1 3162-3255
30-30-30-30
Blow; weak built to 1 1/2"
Recovery;
30' slightly oil cut mud
Pressure;
ISIP 463
FSIP 286
IFP 51-57
FFP 61-62
HSH 1523-1507

DST #2 3373-3400
30-45-45-60
Blow; BOB in 3 min
weak blow back
Final BOB in 9 min
1" blow back

Recovery:
100' GIP
220' CO
315' GMWCO
(9%g 63%o 20%w 8%m)
685' OMCW
(6%o 82%w 12%m)

Pressures:
ISIP 963
FSIP 975
IFP 99-314
FFP 335-483
HSH 1660-1624

Company	**L.D. Drilling, Inc.**	Lease Name	**Salvino**
Address	**7 SW 26th Avenue**	Lease #	**3-19**
CSZ	**Great Bend, KS 67530**	Legal Desc	**NW SE NE SW**
Attn.	**Josh Austin**	Section	**19**
		Township	**16S**
		County	**Barton**
		Drilling Cont	**Petromark Drilling #2**

Job Ticket **3464** Range **13W** State **KS**

Comments **Field: Trapp**

GENERAL INFORMATION

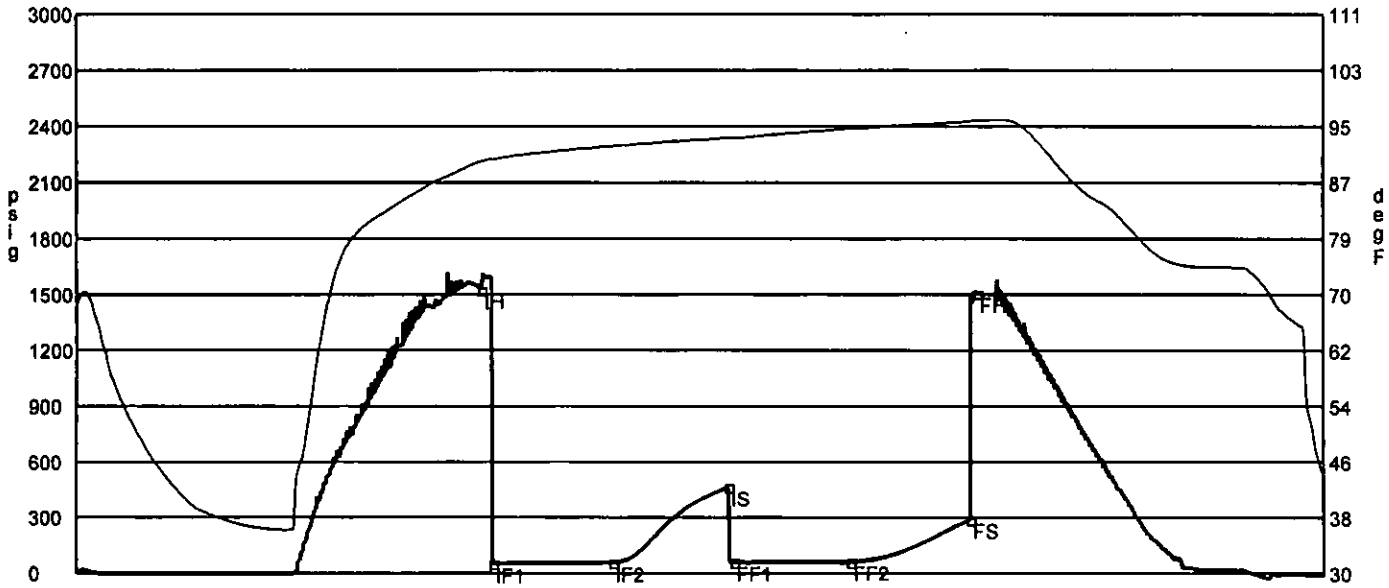
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**1**	Test Date	**2/23/2012**	Top Recorder #	**13767**		
Tester	**Jimmy Ricketts**			Mid Recorder #			
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**w1022**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**60**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**None**		
Mud Weight	**8.8**	Viscosity	**51.0**	Time on Site	**9:30 PM**		
Filtrate	**8.6**	Chlorides	**1800**	Tool Picked Up	**10:30 PM**		
				Tool Layed Dwn	**3:15 AM**		
Drill Collar Len	**119.0**						
Wght Pipe Len	**0**			Elevation	**1943.00**	Kelley Bushings	**1948.00**
Formation	**Lansing A-G**			Start Date/Time	**2/23/2012 10:15 PM**		
Interval Top	**3162.0**	Bottom	**3255.0**	End Date/Time	**2/24/2012 3:28 AM**		
Anchor Len Below	**93.0**	Between	**0**				
Total Depth	**3255.0**						

Blow Type **Weak blow building to 1 1/4 inches initial flow period. Weak blow building to 1/2 inch final flow period. Times: 30, 30, 30, 30.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
30	Slight oil cut mud	0% 0ft	1% 0.3ft	0% 0ft	99% 29.7ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	2/23/2012 11:56:00 PM	1.683333	1523.348	89.721	Initial Hydro-static
IF1	2/23/2012 11:58:50 PM	1.730556	51.219	90.007	Initial Flow (1)
IF2	2/24/2012 12:29:00 AM	2.233333	57.117	91.986	Initial Flow (2)
IS	2/24/2012 12:58:20 AM	2.722222	463.44	93.146	Initial Shut-In
FF1	2/24/2012 12:59:40 AM	2.744444	61.039	93.137	Final Flow (1)
FF2	2/24/2012 1:29:00 AM	3.233333	62.969	94.502	Final Flow (2)
FS	2/24/2012 1:59:10 AM	3.736111	288.931	95.474	Final Shut-In
FH	2/24/2012 2:01:00 AM	3.766667	1507.755	95.661	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke

Company	**L.D. Drilling, Inc.**	Lease Name	**Salvino**
Address	**7 SW 26th Avenue**	Lease #	**3-19**
CSZ	**Great Bend, KS 67530**	Legal Desc	**NW SE NE SW**
Attn.	**Josh Austin**	Section	**19**
		Township	**16S**
		County	**Barton**
		Drilling Cont	**Petromark Drilling #2**

Job Ticket **3464** Range **13W** State **KS**

Comments **Field: Trapp**

GENERAL INFORMATION

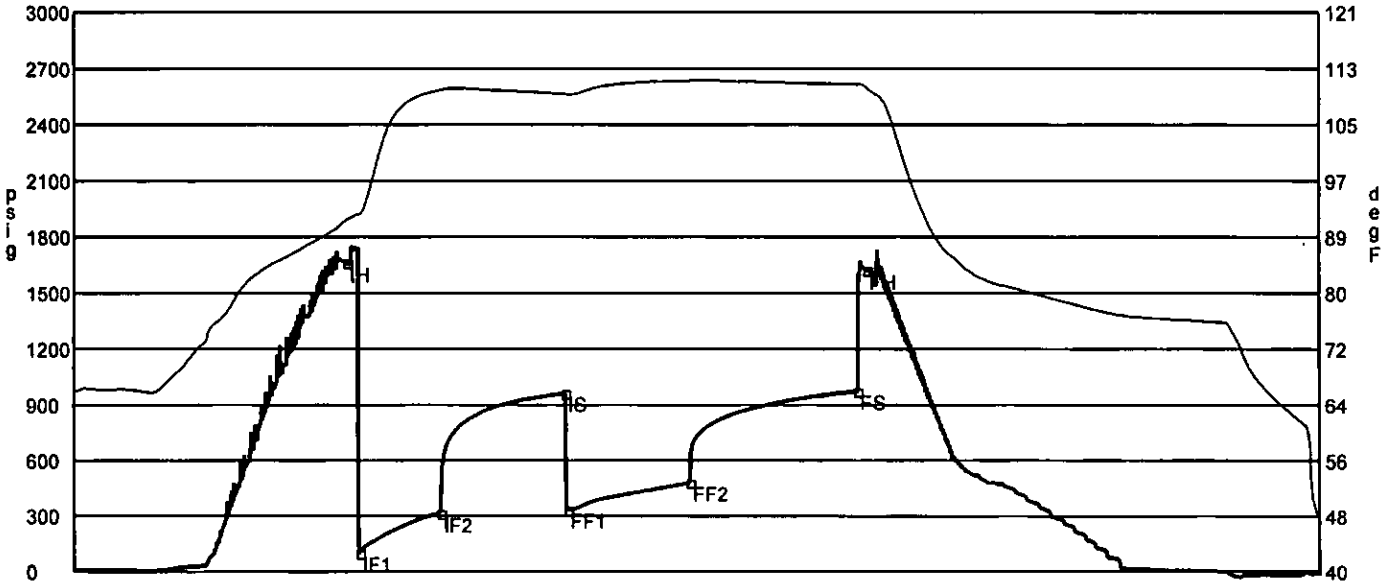
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**2**	Test Date	**2/24/2012**	Top Recorder #	**13767**		
Tester	**Jimmy Ricketts**			Mid Recorder #			
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**w1022**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**22**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**None**		
Mud Weight	**9.3**	Viscosity	**56.0**	Time on Site	**2:45 PM**		
Filtrate	**8.8**	Chlorides	**5000**	Tool Picked Up	**3:10 PM**		
				Tool Layed Dwn	**9:40 PM**		
Drill Collar Len	**119.0**						
Wght Pipe Len	**0**			Elevation	**1943.00**	Kelley Bushings	**1948.00**
Formation	**Arbuckle**			Start Date/Time	**2/24/2012 2:55 PM**		
Interval Top	**3372.0**	Bottom	**3400.0**	End Date/Time	**2/24/2012 10:23 PM**		
Anchor Len Below	**28.0**	Between	**0**				
Total Depth	**3400.0**						

Blow Type **Weak blow building to strong blow 3 minutes into initial flow period. 1/2 inch blow back during initial shut-in period. Weak blow building to strong blow 9 minutes into final flow period. 1 inch blow back during final shut-in period. Times: 30, 45 45, 60. API gravity of oil was 40.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
100	Gas in pipe	100% 100ft	0% 0ft	0% 0ft	0% 0ft
220	Clean oil	0% 0ft	100% 220ft	0% 0ft	0% 0ft
315	Gassy mud and heavy water cut oil	9% 28.4ft	63% 198.5ft	20% 63ft	8% 25.2ft
685	Oil and mud cut water	0% 0ft	6% 41.1ft	82% 561.7ft	12% 82.2ft

DST Fluids **19000**



	Date	Time	Pressure	Temp	
IH	2/24/2012 4:32:20 PM	1.622222	1660.633	91.057	Initial Hydro-static
IF1	2/24/2012 4:36:50 PM	1.697222	99.061	91.862	Initial Flow (1)
IF2	2/24/2012 5:06:10 PM	2.186111	314.844	109.81	Initial Flow (2)
IS	2/24/2012 5:51:00 PM	2.933333	965.04	109.322	Initial Shut-In
FF1	2/24/2012 5:51:50 PM	2.947222	335.563	109.212	Final Flow (1)
FF2	2/24/2012 6:36:00 PM	3.683333	483.727	111.182	Final Flow (2)
FS	2/24/2012 7:36:30 PM	4.691667	975.513	110.65	Final Shut-In
FH	2/24/2012 7:40:00 PM	4.75	1624.6	110.274	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke