1061773

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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 # 34158
Name: O'Brien Resources, LLC
Address 1: PO BOX 6149
Address 2:
City: SHREVEPORT State: LA Zip: 71136 + _ _ _ _
Contact Person: Barbara Bowman
Phone: (318) 865-8568
CONTRACTOR: License # 34484
Name: Fossil Drilling, Inc.
Wellsite Geologist: Joshuah R. Austin
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

04/25/2011	05/02/2011	05/03/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21639-00-00
Spot Description:
SW-SW-NW-SW Sec. 24 Twp. 20 S. R. 19 [ ] East [x] West
1539 Feet from [ ] North / [x] South Line of Section
241 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW

County: Pawnee
Lease Name: Ande-Ide 24 Well #: 1
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2166 Kelly Bushing: 2174
Total Depth: 4450 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 524 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: 5900 ppm Fluid volume: 2200 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

- [x] **Letter of Confidentiality Received**
  Date: 08/19/2011
- [x] **Confidential Release Date:** 08/18/2013
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 08/24/2011

Side Two

1061773

Operator Name: O'Brien Resources, LLC Lease Name: Ande-Ide 24 Well #: 1

Sec. 24 Twp. 20 S. R. 19 ☐ East ☑ West County: Pawnee

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☑ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☑ 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
Surface	12.25	8.625	24	524	Class A	280	3% CaCl + 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

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

Date of First, Resumed Production, SWD or ENHR. 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)* Plug per attached report

PRODUCTION INTERVAL:

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

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Ande-Ide 24 1
Doc ID	1061773

All Electric Logs Run

Dual Induction Compensated Densit/Neutron PE Log
Micro
Sonic
Dual Induction

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Ande-Ide 24 1
Doc ID	1061773

Tops

Name	Top	Datum
Anhydrite	1,304'	+807
Base Anhydrite	1,329'	+845
Heebner	3,665	-1,491
Lansing	3,714'	-1,540
Base Kansas City	4,024	-1,850
Pawnee	4,110'	-1,936
Ft Scott	4,143	-1,969
Cherokee Shale	4,162'	-1,988
Cherty Coglomerate	4,240'	-2,066
Mississippian Osage	4,275'	-2,101
Kinderhook	4,344'	-2,170
Viola	4,356'	-2,182
Viola Dolomite	4,379'	-2,205

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 18, 2011

Barbara Bowman
O'Brien Resources, LLC
PO BOX 6149
SHREVEPORT, LA 71136

Re: ACO1
API 15-145-21639-00-00
Ande-Ide 24 1
SW/4 Sec.24-20S-19W
Pawnee County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Barbara Bowman

ALLIED CEMENTING CO., LLC. 038739

Federal Tax I.D.# 20-5975804

MIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Great Bend KS

DATE 5-3-11	SEC. 24	TWP. 20S	RANGE 19W	CALLED OUT	ON LOCATION	JOB START 1130pm	JOB FINISH 1230 am
LEASE #1 Anderle	WELL # 24		LOCATION Rush Center KS 12 south to			COUNTY Pawnee	STATE KS
OLD OR NEW (Circle one)			V road 4 west 1/2 north Into				

CONTRACTOR Fossil Drilling
OWNER O'brien Energy
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D. 4450
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1350
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT Freshwater

CEMENT

AMOUNT ORDERED 180 sx 60/40 4% gel 1/4 flo

COMMON	108	@ 14.25	1,755.00
POZMIX	72	@ 8.50	612.00
GEL	6	@ 21.25	127.50
CHLORIDE		@	
ASC		@	
Flaseal	2 50#	@ 2.70	135.00
HANDLING	188	@ 2.25	423.00
MILEAGE	188 x 45 x .11		930.60
		TOTAL	3,983.50

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Bobby Roller
HELPER David West
BULK TRUCK # 344-170 DRIVER Trent Hall
BULK TRUCK # DRIVER

REMARKS:

1st plug at 1350 ft mix 50 sx cement
2nd plug at 540 ft mix 50 sx cement
3rd plug at 240 ft mix 30 sx cement
4th plug at 60 ft mix 20 sx cement
RH mix 30 sx cement

SERVICE

DEPTH OF JOB	1350		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE	90	@ 7.00	630.00
MANIFOLD		@	
Light Truck	90	@ 4.00	360.00
		TOTAL	2240.00

CHARGE TO: O'brien Energy
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

TOTAL

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES [redacted]
DISCOUNT [redacted] IF PAID IN 30 DAYS

PRINTED NAME LARRY HUNT

SIGNATURE

Thank you!

ALLIED CEMENTING CO., LLC. 038797

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Great Bend KS

DATE 4-26-11	SEC. 24	TWP. 20S	RANGE 19W	CALLED OUT	ON LOCATION	JOB START 7:15 AM	JOB FINISH 8:15 AM
LEASE Andc-IDE	WELL # 24		LOCATION Rush center 12 south			COUNTY Pawnee	STATE KS
OLD OR NEW (Circle one)			To RD V 4 West To 270 1/4 North East into				

CONTRACTOR Fossil Drilling
OWNER O'Brien Energy

TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 535
CASING SIZE 8 5/8 24# DEPTH 530
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 30
PERFS.
DISPLACEMENT 31.25 BBLS fresh water

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Wayne-D
HELPER Greg
BULK TRUCK # 341-170 DRIVER Kevin-W
BULK TRUCK # DRIVER

REMARKS:

Pipe on Bottom Break circulation with Rig mud
Run 5 BBLS water Ahead
Mix 260 SX Class A 3%cc + 2% Gel
Shut Down Release Plug
Displace 31.25 BBLS fresh water.
Shut in. Cement did circulate.
Rig Down

CEMENT

AMOUNT ORDERED 280 SX Class A + 3%cc + 2% Gel

COMMON	280	@ 16.25	4550.00
POZMIX		@	
GEL	5	@ 21.25	106.25
CHLORIDE	10	@ 58.20	582.00
ASC		@	
HANDLING	295	@ 2.25	663.75
MILEAGE	295 x 45 x .11		1460.25
		TOTAL	7.362.25

SERVICE

DEPTH OF JOB	530		
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE	230	@ .95	218.50
MILEAGE	90	@ 7.00	630.00
MANIFOLD		@	
Light Truck	90	@ 4.00	360.00
		TOTAL	2.333.50

CHARGE TO: O'Brien Energy
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8 Rubber Plug	@ 79.00	79.00
	@	
	@	
	@	
	@	
	TOTAL	79.00

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Preston L. Dreiling
SIGNATURE

Company:	CIMREP/BEDFORDES LLC
Well:	HIGLICE 3-4H
Field:	WILDCAT
County:	PAWNEE
State:	KANSAS
Date:	2009/10/19
Time:	08:00
Depth:	4500
Logged:	2009/10/19 08:00
Operator:	ANDERSON DRILLING
Rig:	1
Contractor:	ANDERSON DRILLING LLC
Location:	1/4 - 1/4 - 1/4 - 1/4 Sec. 3 Twp. 21 Rng. 19 Elev. 2246
	1980 FNL 1980 FEL
	PAWNEE COUNTY, KANSAS
Latitude:	38.25
Longitude:	-99.2
Elevation:	2246 KB 2244 GL
Log Date:	2009/10/19
Log Time:	08:00
Run Number:	ONE
Depth Driller:	4500
Depth Logger:	4500
Bottom Log Interval:	4500
Top Log Interval:	3500
Drill Collar Size:	2.25
Drill Collar Length:	90
Drill Pipe Size:	4.5
Drill Pipe Length:	3500
Max Rec Temp:	120
Equipment:	7875
Recorded By:	J. HOLDEN
Witnessed By:	J. WOLF

SUPERIOR WELL SERVICES
Phone: 620-793-5100
Fax: 620-793-5190
Email: superior@pwtel.net
Office: 1521 Cole Blvd. Bldg. 6, Suite 200 Lakewood, CO 80401

COMPENSATED DENSITY NEUTRON PE LOG

DISCLAIMER

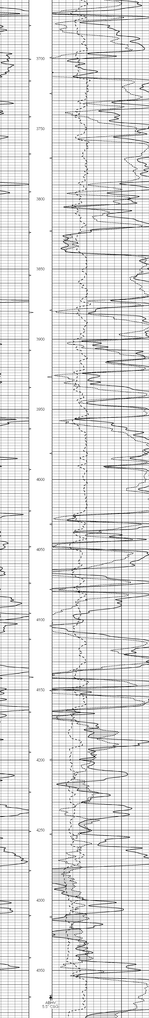
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785)-628-6395
DIRECTIONS:
RUSH CENTER, KS - 12 MILES SOUTH TO RD V - 4 MILES WEST TO RD 270
1/4 MILE NORTH - EAST INTO

Database File: 0070123ae.db
Dataset Pathname: pass3.3
Presentation Format: dual
Dataset Creation: Tue Mar 03 07:15:40 2015 by Calib Open-Cased 0906C9
Charted by: Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 150 ABAV 30 COMPENSATED DENSITY (gcc) -10
X CALIPER (in) 16 10 (BIS) 0.30 COMPENSATED NEUTRON (pu) 42
TBHV PE 10.25 CORRECTION (gcc) 0.25
20 (BIS) 10


3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
ABAV
PE
PE CALC
CALIPER
GAMMA RAY
PE CALC
PE CALC
PE CALC

Company	Petroleum Development Oman
Well	Yibal-Khuff-1
Field	Yibal
Location	Oman
Elevation	KB: 0 m above MSL
Permanent Datum	Mean Sea Level
Log Measured From	KB
Drilling Measured From	KB
Date	12-Jan-2000
Run Number	ONE
Depth Reference	KB
Logging Unit Number	2
Logging Engineer	Al Ghafri
Bit Size	8.5 in
Casing Driller	9.625 in @ 1000 m
Casing Logger	1000 m
Bottom Log Interval	3000 m
Top Log Interval	1000 m
Drilling Fluid Type	Water Based Mud
Drilling Fluid Density	1.12 g/cm3
Drilling Fluid Viscosity	45 s
Drilling Fluid Ph	9.5
Fluid Loss	5.0 cc
Max Temp Recorded	90 C
Max Deviation	0.5 deg
Time Since Circulation	12 hrs
Time Since Last Log	24 hrs
Recorded By	Al Ghafri
Witnessed By	Al Ghafri

Schlumberger

Petroleum Development Oman

Yibal-Khuff-1

Yibal

Oman

Field Print

Depth Scale 1:200

Log Type: PLATFORM Eexpress

Run Number: ONE

Date: 12-Jan-2000

Logging Unit Number: 2

Logging Engineer: Al Ghafri

Witnessed By: Al Ghafri

Depth Reference: KB

Permanent Datum: Mean Sea Level

Elevation: KB: 0 m above MSL

Log Measured From: KB

Drilling Measured From: KB

Bit Size: 8.5 in

Casing Driller: 9.625 in @ 1000 m

Casing Logger: 1000 m

Bottom Log Interval: 3000 m

Top Log Interval: 1000 m

Drilling Fluid Type: Water Based Mud

Drilling Fluid Density: 1.12 g/cm3

Drilling Fluid Viscosity: 45 s

Drilling Fluid Ph: 9.5

Fluid Loss: 5.0 cc

Max Temp Recorded: 90 C

Max Deviation: 0.5 deg

Time Since Circulation: 12 hrs

Time Since Last Log: 24 hrs

Recorded By: Al Ghafri

Witnessed By: Al Ghafri

Schlumberger

Petroleum Development Oman

Yibal-Khuff-1

Yibal

Oman

Field Print

Depth Scale 1:200

Log Type: PLATFORM Eexpress

Run Number: ONE

Date: 12-Jan-2000

Logging Unit Number: 2

Logging Engineer: Al Ghafri

Witnessed By: Al Ghafri

Depth Reference: KB

Permanent Datum: Mean Sea Level

Elevation: KB: 0 m above MSL

Log Measured From: KB

Drilling Measured From: KB

Bit Size: 8.5 in

Casing Driller: 9.625 in @ 1000 m

Casing Logger: 1000 m

Bottom Log Interval: 3000 m

Top Log Interval: 1000 m

Drilling Fluid Type: Water Based Mud

Drilling Fluid Density: 1.12 g/cm3

Drilling Fluid Viscosity: 45 s

Drilling Fluid Ph: 9.5

Fluid Loss: 5.0 cc

Max Temp Recorded: 90 C

Max Deviation: 0.5 deg

Time Since Circulation: 12 hrs

Time Since Last Log: 24 hrs

Recorded By: Al Ghafri

Witnessed By: Al Ghafri

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Schlumberger

Petroleum Development Oman

Yibal-Khuff-1

Yibal

Oman

Field Print

Depth Scale 1:200

Log Type: PLATFORM Eexpress

Run Number: ONE

Date: 12-Jan-2000

Logging Unit Number: 2

Logging Engineer: Al Ghafri

Witnessed By: Al Ghafri

Depth Reference: KB

Permanent Datum: Mean Sea Level

Elevation: KB: 0 m above MSL

Log Measured From: KB

Drilling Measured From: KB

Bit Size: 8.5 in

Casing Driller: 9.625 in @ 1000 m

Casing Logger: 1000 m

Bottom Log Interval: 3000 m

Top Log Interval: 1000 m

Drilling Fluid Type: Water Based Mud

Drilling Fluid Density: 1.12 g/cm3

Drilling Fluid Viscosity: 45 s

Drilling Fluid Ph: 9.5

Fluid Loss: 5.0 cc

Max Temp Recorded: 90 C

Max Deviation: 0.5 deg

Time Since Circulation: 12 hrs

Time Since Last Log: 24 hrs

Recorded By: Al Ghafri

Witnessed By: Al Ghafri

SUPERIOR WELL SERVICE
Hays, Kansas

Company	O'BRIEN RESOURCES, LLC
Well	ANDE-GE 34-#1
Field	WILDCAT
County	PAWNEE
State	KANSAS
Location	SEC 34 T21S R17W 1320 FSL 1320 FWL
	API # 15-145-21600000
	Elevation: GL 2184 KB 2189
	Date: 03-Mar-2011
	Time: 07:00 AM
	Depth: 3800
	Bit: 7 7/8
	Mud: CHEMICAL
	Viscosity: 53
	Density: 9.2
	Fluid Loss: 8.0
	Chlorides: 2000
	Rm: 1.0 @ 70
	Rmf: 1.0 @ 70
	Rmc: 1.0 @ 70
	Max Rec Temp: 114
	Equipment: 8 miles south to Rd V, 4 miles west to Rd 270
	Recorded By: DOUGLAS
	Witnessed By: CALDON

MICRO LOG

Company O'BRIEN RESOURCES, LLC
Well ANDE-GE 34-#1
Field WILDCAT
County PAWNEE
State KANSAS

Surface Location	34	21S	17W
Other Services			
DIL	CNL	CDL	MICRO

Elevation	2184	2189	
Permanent Datum	GL	KB	
Log Measured From	KB	5 Ft. Above Perm. Datum	
Drilling Measured From	KB		
Date	03-Mar-11		
Run Number	ONE		
Depth Driller	3800		
Depth Logger	3798		
Bottom Logged Interval	3798		
Top Logged Interval	3000		
Type Fluid in Hole	CHEMICAL		
Salinity, PPM Cl	2000		
Density	9.2		
Viscosity	53		
Fluid Loss	8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp.	1.0 @ 70		
Rmf @ Meas. Temp.	1.0 @ 70		
Rmc @ Meas. Temp.	1.0 @ 70		
Rm @ BHT	0.73 @ 114		
Max Rec Temp	114		
Equipment	8 miles south to Rd V, 4 miles west to Rd 270		
Recorded By	DOUGLAS		
Witnessed By	CALDON		

Run 1 Data ---

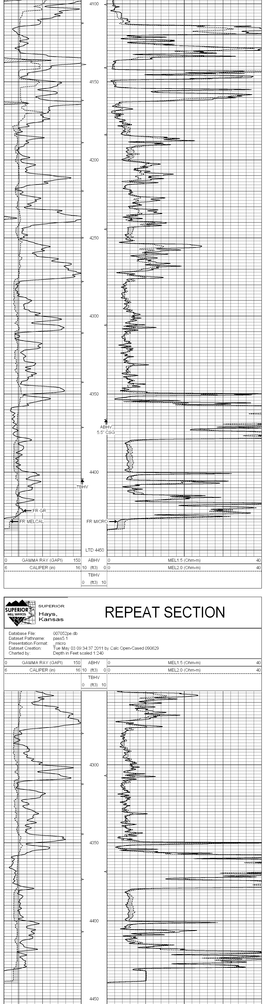
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
RUSH CENTER, KS - 12 MILES SOUTH TO RD V - 4 MILES WEST TO RD 270
1/4 MILE NORTH - EAST INTO

Database File: 0070f32ae.db
Dataset Pathname: pass1.1
Presentation Format: micro
Dataset Creation: Tue May 03 10:29:06 2011 by Calc Open-Cased 000629
Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
0 CALIPER (in) 16 16 (IK3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (K3) 50



0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
0 CALIPER (in) 16 16 (IK3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (K3) 50

SUPERIOR WELL SERVICE
Hays, Kansas

REPEAT SECTION

Database File: 0070f32ae.db
Dataset Pathname: pass5.1
Presentation Format: micro
Dataset Creation: Tue May 03 09:54:37 2011 by Calc Open-Cased 000629
Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
0 CALIPER (in) 16 16 (IK3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (K3) 50

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
0 CALIPER (in) 16 16 (IK3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (K3) 50

Calibration Report

Database File: 0070f32ae.db
Dataset Pathname: pass6.1
Dataset Creation: Tue May 03 10:16:26 2011 by Calc Open-Cased 000629

MICRO Calibration Report

Serial Number	MICRO-0	
Tool Model	PROBE	
Performed	Mon Apr 04 05:13:13 2011	
Caliper Calibration	Gain=0.211	Offset=-0.160
References	Low Cal	High Cal
Readings	0.000	2.000
	1.175	2.150
1.5" Calibration	Gain=35.075	Offset=-0.050
References	Low Cal	High Cal
Readings	0.000	0.100
	0.004	0.148
2" Calibration	Gain=22.041	Offset=0.006
References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.973

Gamma Ray Calibration Report

Serial Number	#0	
Tool Model	OPB31	
Performed	Sun Apr 10 22:50:36 2011	
Calibrator Value	150.0	GAPI
Background Reading	0.0	cps
Calibrator Reading	175.0	cps
Sensitivity	0.8571	GAPI/cps

Company	Schlumberger
Well	Well
Field	Field
County	County
State	State
Country	Country
Other Services	Other Services
Permanent Datum	Permanent Datum
Log Measured From	Log Measured From
Drilling Measured From	Drilling Measured From
Elevation	Elevation
Elevation	Elevation
Elevation	Elevation
Date	Date
Run Number	Run Number
Depth Driller	Depth Driller
Depth Logger	Depth Logger
Bottom Log Interval	Bottom Log Interval
Top Log Interval	Top Log Interval
Casing Driller	Casing Driller
Casing Logger	Casing Logger
Bit Size	Bit Size
Type Fluid in Hole	Type Fluid in Hole
Density / Viscosity	Density / Viscosity
Max Rec Temp	Max Rec Temp
Estimated Bottom Hole Temp	Estimated Bottom Hole Temp
Equipment / Location	Equipment / Location
Recorded By	Recorded By
Witnessed By	Witnessed By

SCHLUMBERGER

THIS COUPON OMIT CONTENT BELL SPACE ON ORIGINAL
PRINTOUT
NON-DISPER AL - CURVE SCALE CHANGES - LINEAR SHIFT TO 0.25
SPIKE REMOVAL - DATA ADD

Company Name : Schlumberger
Well Name : Well
Field Name : Field
Location : County, State, Country
Other Services : Other Services
Permanent Datum : Permanent Datum
Log Measured From : Log Measured From
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Elevation : Elevation
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Elevation : Elevation
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Run Number : Run Number
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Casing Logger : Casing Logger
Bit Size : Bit Size
Type Fluid in Hole : Type Fluid in Hole
Density / Viscosity : Density / Viscosity
Max Rec Temp : Max Rec Temp
Estimated Bottom Hole Temp : Estimated Bottom Hole Temp
Equipment / Location : Equipment / Location
Recorded By : Recorded By
Witnessed By : Witnessed By

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Casing Logger : Casing Logger
Bit Size : Bit Size
Type Fluid in Hole : Type Fluid in Hole
Density / Viscosity : Density / Viscosity
Max Rec Temp : Max Rec Temp
Estimated Bottom Hole Temp : Estimated Bottom Hole Temp
Equipment / Location : Equipment / Location
Recorded By : Recorded By
Witnessed By : Witnessed By

SCHLUMBERGER

REPEAT SECTION

Company Name : Schlumberger
Well Name : Well
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Location : County, State, Country
Other Services : Other Services
Permanent Datum : Permanent Datum
Log Measured From : Log Measured From
Drilling Measured From : Drilling Measured From
Elevation : Elevation
Elevation : Elevation
Elevation : Elevation
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Bottom Log Interval : Bottom Log Interval
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Casing Driller : Casing Driller
Casing Logger : Casing Logger
Bit Size : Bit Size
Type Fluid in Hole : Type Fluid in Hole
Density / Viscosity : Density / Viscosity
Max Rec Temp : Max Rec Temp
Estimated Bottom Hole Temp : Estimated Bottom Hole Temp
Equipment / Location : Equipment / Location
Recorded By : Recorded By
Witnessed By : Witnessed By

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Casing Logger : Casing Logger
Bit Size : Bit Size
Type Fluid in Hole : Type Fluid in Hole
Density / Viscosity : Density / Viscosity
Max Rec Temp : Max Rec Temp
Estimated Bottom Hole Temp : Estimated Bottom Hole Temp
Equipment / Location : Equipment / Location
Recorded By : Recorded By
Witnessed By : Witnessed By

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Recorded By : Recorded By
Witnessed By : Witnessed By

Calibration Report

Company Name : Schlumberger
Well Name : Well
Field Name : Field
Location : County, State, Country
Other Services : Other Services
Permanent Datum : Permanent Datum
Log Measured From : Log Measured From
Drilling Measured From : Drilling Measured From
Elevation : Elevation
Elevation : Elevation
Elevation : Elevation
Date : Date
Run Number : Run Number
Depth Driller : Depth Driller
Depth Logger : Depth Logger
Bottom Log Interval : Bottom Log Interval
Top Log Interval : Top Log Interval
Casing Driller : Casing Driller
Casing Logger : Casing Logger
Bit Size : Bit Size
Type Fluid in Hole : Type Fluid in Hole
Density / Viscosity : Density / Viscosity
Max Rec Temp : Max Rec Temp
Estimated Bottom Hole Temp : Estimated Bottom Hole Temp
Equipment / Location : Equipment / Location
Recorded By : Recorded By
Witnessed By : Witnessed By

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