

DARRAH OIL

Scale 1:240 Imperial

Well Name: #206 Brush Creek Unit
 Surface Location: 153 FNL 1690 FWL N2/NW/NE/WV
 Bottom Location: NA
 API: 15-065-23950
 License Number: 5089
 Spud Date: 6/28/2013 Time: 6:30 PM
 Region: Graham County KS 9-S-23W
 Drilling Completed: 7/3/2013 Time: 12:00 PM
 Surface Coordinates: 153 FNL 1690 FWL
 Bottom Hole Coordinates: NA & NA
 Ground Elevation: 2333.00ft
 K.B. Elevation: 2333.00ft
 Logged Interval: 2900.00ft To: 3915.00ft
 Total Depth: 3915.00ft
 Formation: Lansing-Kansas City
 Drilling Fluid Type: Chemical Mud

OPERATOR

Company: Darrah Oil Company
 Address: 225 N. Market, Suite 300
 Wichita, KS 67202
 Contact Geologist: Seth Evenson
 Contact Phone Nbr: (316) 219-3390

Well Name: #206 Brush Creek Unit
 Location: 153 FNL 1690 FWL N2/NW/NE/WV
 State: Kansas
 County: Graham County
 Field: Brush Creek

LOGGED BY

Company: Darrah Oil Co.
 Address: 225 N. Market, Suite 300
 Wichita, KS 67202
 Phone Nbr: (316) 219-3390
 Logged By: Geologist Name: Seth Evenson

CONTRACTOR

Contractor: Mallard JV
 Rig #: Standard
 Rig Type: Monitor Double
 Spud Date: 6/28/2013 Time: 6:30 PM
 TD Date: 7/3/2013 Time: 12:00 PM
 Rig Release: 7/4/2013 Time: 11:00 AM

ELEVATIONS

K.B. Elevation: 2333.00ft
 Ground Elevation: 2328.00ft

CASING SUMMARY

Surface	Intermediate	7.88 in
Size	Set At	Type
Surf Casing: 8.625 in	217 ft	# of Joints
Int Casing: NA in	NA ft	Drilled Out At
Prod Casing: 5.5 in	3912 ft	6/29/2013 8:00 AM
		7/11/2013 12:00 PM

CASING SEQUENCE

Type: Hole Size: 8.625 in Casing Size: 5.5 in At: 0.00 ft

OPEN HOLE LOGS

Logging Company: Pioneer D
 Logging Engineer: D. Martin
 Wireline: 7/7/2013 Time Spent: 4
 Log Type: Truck # 3 # Logs Run: 3
 Log Date: 7/7/2013
 Log Run: 3
 # Logs Run Successful: 3

LOGS RUN

Tool	Logged Interval	Log Interval	Hours	Remarks	Run #
DCP	0.00ft	3910.00ft	0.00		1
DI	0.00ft	3909.00ft	0.00		1
Micro Res	217.00ft	3909.00ft	0.00		2

LOGGING OPERATION SUMMARY

Date: 9/17/2013 From: 0.00ft To: 3910.00ft
 Description of Operation: GR, Comp Neat, Comp Dens, DI, SP, Micro Res, Caliper

NOTES

Perforated H zone 3775-3780'; I zone 3798'-3802' & K zone 3826'-3838' on 7/12/2013. Acidized & POP.
 Highly recommended testing through perforations:
 D zone from 3685'-3693'
 F zone from 3715'-3717'
 Upper G zone from 3724'-3730'
 Secondarily recommended perforating:
 B zone from 3678'-3680'
 L zone from 3645'-3659'
 Lastly may perforate:
 Upper 2' of Lansing from 3646'-3648'
 Pleasantor from 3887'-3890'

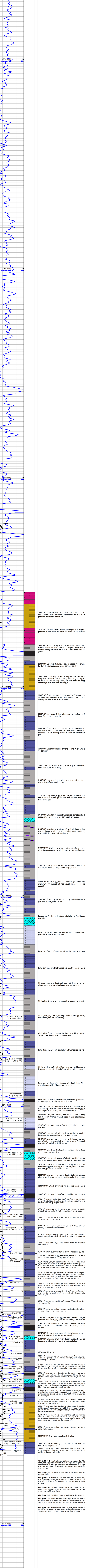
ROCK TYPES
 Anthypim, Dolom, Limestone, Shale, Sandstone, Siltstone, Clay, Oil Gravel, Oil Gravel

ACCESSORIES

STRINGER: Limestone

OTHER SYMBOLS

● Even Sin
 ○ Spotted Sin 50 - 75 %
 ○ Spotted Sin 25 - 50 %
 ○ Spotted Sin 1 - 25 %
 □ Questionable Sin
 ■ Dead Oil Sin
 ■ Fluorescence



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