# LITHOLOGY STRIP LOG

# **WellSight Systems**

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: VINCENT OIL CORP. MARFAM #3-32

Location: W/2 SE NE NW SEC. 32, T 29S, R 24W, FORD CO. KANSAS

License Number: 15-057-20935-00-00 Region: FAGER EAST

Spud Date: JULY 7th, 2014 Drilling Completed: JULY 18th, 2014

Surface Coordinates: 990' FNL, 2,080' FWL

**Bottom Hole Coordinates:** 

Ground Elevation (ft): 2,573'

Logged Interval (ft): 4,250'

To: 5,467'

K.B. Elevation (ft): 2,585'

Total Depth (ft): 5,467'

Formation: MISSISSIPPI

Type of Drilling Fluid: NATIVE MUD TO 3,798'. CHEMICAL GEL TO RTD

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.cor

# **OPERATOR**

Company: VINCENT OIL CORP. Address: 155 N. MARKET STE 700

**WICHITA, KANSAS 67202-1821** 

OFFICE: 316-262-3573

## **GEOLOGIST**

Name: Jame R. Hall Well Site Supervision

Company: Black Gold Petroleum Address: 5530 N. Sedgwick

Wichita, Kansas 67204-1828

316-838-2574

#### Comments

Drilling contractor: Duke Drilling, Rig #1, Tool Pusher Mike Godfrey.

Surface Casing: 8 5/8" set at 648' w/250sx, cement, did circulate.

# **Daily Activity:**

7/08/14; 456' drilling 12 1/4" hole.

7/09/14; 1,280' drilling 7 7/8" hole.

7/10/14; 2,675' drilling ahead.

7/11/14; 3,483' drilling ahead.

7/12/14; 4,203' drilling ahead.

7/13/14; 4,806' drilling ahead, bit trip @ 4,918' and strap pipe (3.05' short to the board ).

7/14/14; 5,073' drilling ahead.

7/15/14; 5,294' drilling ahead. ran DST #1.

7/16/14; 5,353' circulating samples. ran DST #2.

7/17/14; 5,372' running DST #3.

7/18/14; 5,467' RTD, run open hole logs and commence

DST #4.

7/19/14; well was P&A, with cement plugs.

Deviation Surveys: 1 deg. @ 649', 1 deg. @ 1,214', 1 deg. @ 1,750', 3/4 deg. @ 2,411', 1 deg. @ 2,914', 0.75 deg @ 4,918', 1 deg. @ 5,332', 1 deg. @ 5,467'.

#### Bit Record:

#1 12 1/4" out @ 649'.

#2 7 7/8" Veral HE 21 in @ 649', out @ 4,918', made 4,269' in 85.5 hrs.

#3 7 7/8" RR Veral HE 31 in @ 4,918', out @ 5,332', made 414' in 31.5 hrs.

#4 7 7/8" RR Veral HE 29 in @ 5,332', out @ 5,467', made 135' in 8.25hrs.

Drilling time commenced: @ 4,250'. Maximum 10' wet and dry samples commenced: @ 4,300' to RTD. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: Blue Stem unit #0779. Digital Unit, commenced @ 4,200', (gas readings not until 4,353').

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,798', Mud Engineer: Justin Whiting (Dodge City Office).

Testing: Trilobite Testing Inc. Hays, Kansas. Tester: Mattheu Smith (Pratt Office).

Open Hole Logs: Nabors Completion & Production Services, Hays, Kansas,

Logging Engineer: Jeff Groneweg.

DIL, CDL/CNL/PE (detail 4,250' - 5,465'), MICRO/SON. MICRO (detail 4,250' - 5,465'), SONIC (detail 646' - 5,465').

Sample tops are placed on this strip log, with the reference wells "A" Vincent Marfam #1-32 NE NW 32-T29S-R24W, and "B" Vincent Dufford #2-32 NW NE 32-T29S-R24W. E-log tops datum differences shown. See attached E-log Tops Sheet, for final Top Picks and datum differences.

The (3' downward shifted) E-Log gamma ray and caliper were placed on this Sample Strip Log for better correlation. The E-log TD and Sample Strip log RTD were the same, however the E-log correlation points were 3 shallow to the drilling time correlation points.

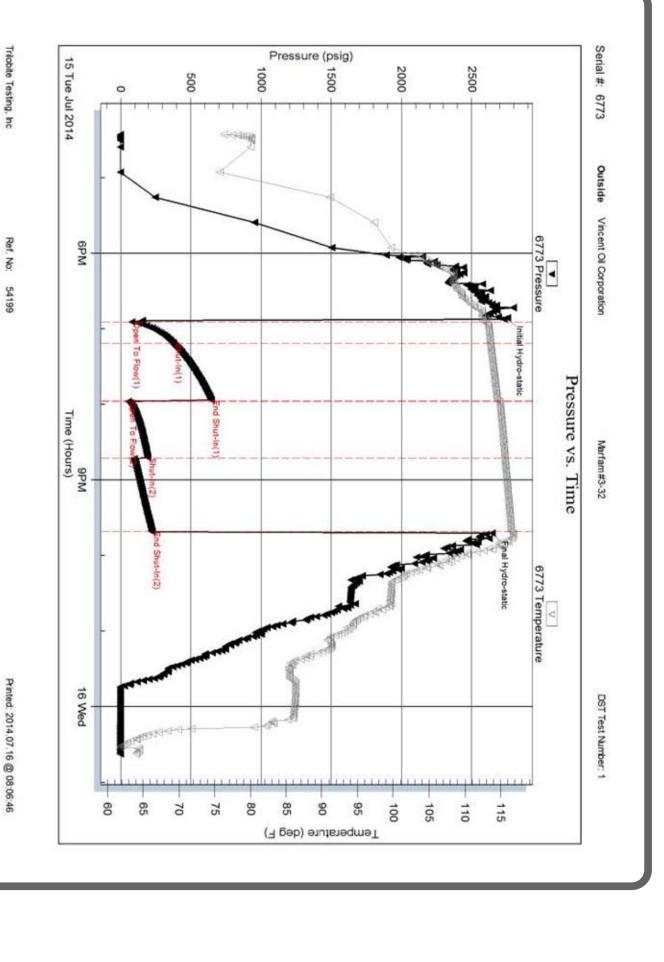
## **DSTs**

DST #1 (Morrow), 5,270' - 5,332' (62'); 19-45-45-60, IH 2754, IF 81-378 (weak 1/4" blow dead in 13min), ISI 645 (no blow), FF 56-193 (3" blow in 2min, 1 3/4" blow in 18min, 1/2" blow in 45min). FSI 224 (no blow), FH 2646, Rec; 15' drilling mud, ChI 7,400ppm, BHT 116 deg. F.

DST #2 (Miss.), 5,268' - 5,372' (104'); 45-90-90-120, IH 2778, IF 848-286 (BOB 1min, GTS 15min, 20" 730mcf, 30" 609mcf, 40" 474mcf, 45" 459mcf), ISI 1266 (no blow), FF 394-189 (BOB imd, GTS imd. 10" 740mcf, 20" 552mcf, 30" 474mcf, 40" 313mcf, 50min 459mcf, 60" 349mcf, 70" 245mcf, 80" 252mcf, 90" 238mcf). FSI 1054 (weak surface blow in 53"), FH 2640, Rec; 4,954' GIP, 62' gcm (2%gas,98%mud,trace oil), 62' gocm (65%gas,1%oil,34%mud), 62' gocm 15%gas,4%oil,81%mud), 62' gocm (20%gas,5%oil,75%mud), 62' gocm (28%gas,12%oil,60%mud), BHT 113 deg. F

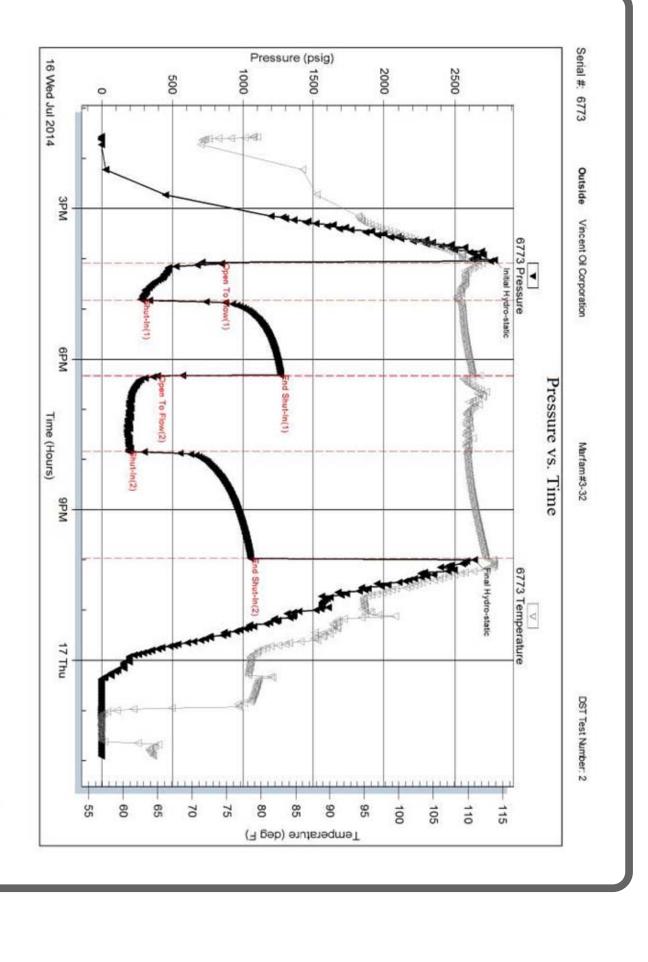
DST #3 (Miss.) 5,333' - 5,372' (39') 70-90-100-150, IH 2630, IF 437-118 (BOB 20sec., GTS 16min, 20" 1,021mcf, 30" 552mcf, 40" 349mcf, 50" 232mcf, 60" 225mcf, 70" 211mcf), ISI (bleed off in 23min, weak surface blow), FF 134-53 (BOB & GTS immd., 10" 326mcf, 20" 286mcf, 30" 232mcf, 40' 198mcf, 50" 178mcf, 60" 171mcf, 70" 164mcf, 80" 157mcf, 90" 151mcf, 100' 144mcf), FSI 862 (bleed off in 15min, weak sufrace blow), FH 2554, Rec; 5,207' GIP, 118 total fluid; 56' gowcm (2% gas, 35% oil, 3% water, 60% mud), 31' gowcm (25% gas, 67% oil, 3% water, 5% mud), 31' gowcm (28% gas, 62% oil, 5% water, 5% mud), BHT 114 deg. F.

DST #4 (Miss) 5,380' - 5467' (87'), 15-30-11-15, IH 2752, IF 20-22 (weak surface blow, dead in 3.5"), ISI 855 (no blow), FF 23-26 (no blow, flush tool, weak surface blow, dead in 3.5"), FSI 127 (no blow), FH 2744. Rec; 20' mud with trace of oil (100% mud), BHT 118 deg. F.



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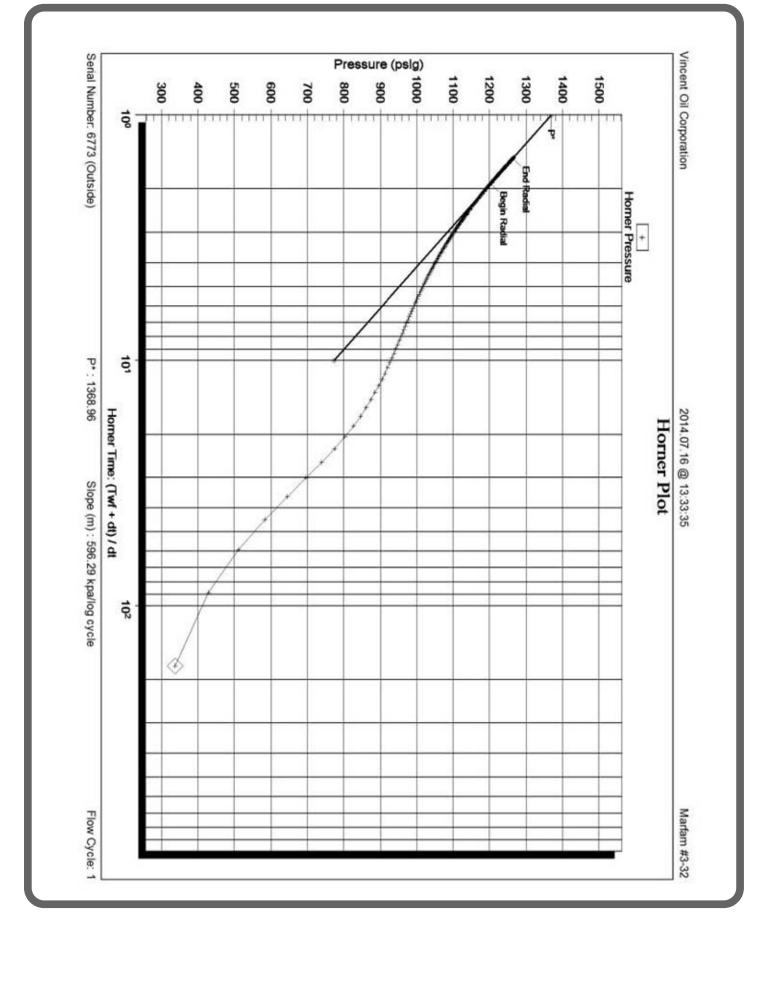
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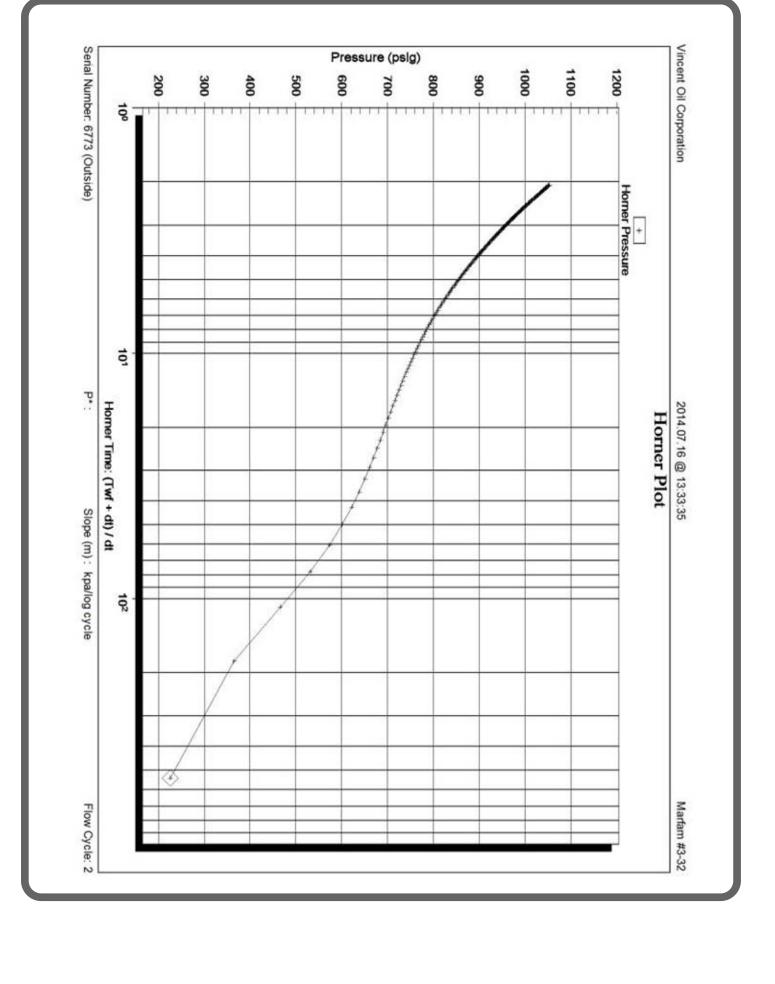


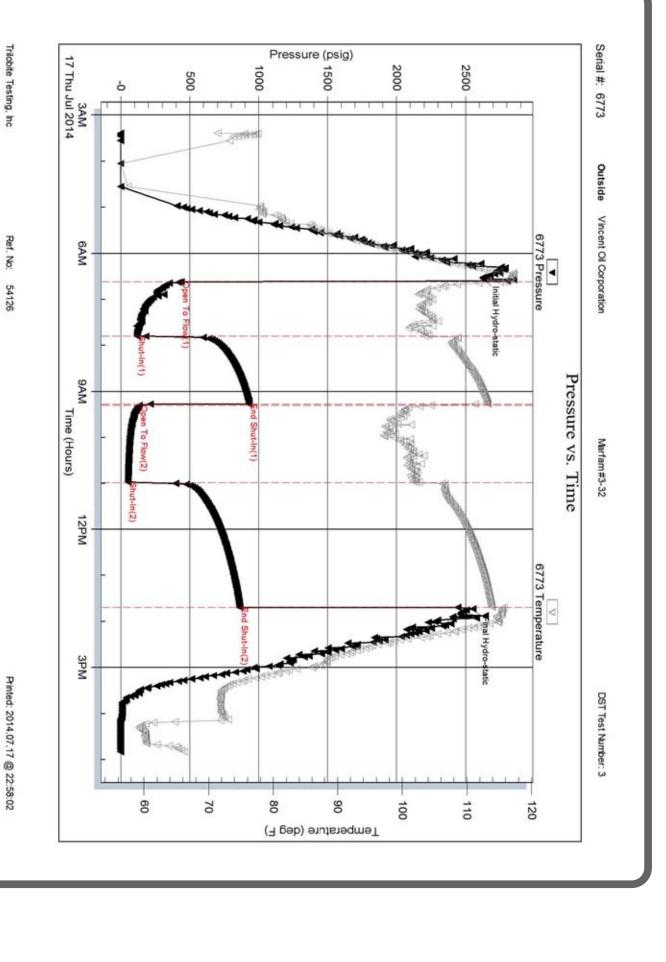
Trilobite Testing, Inc.

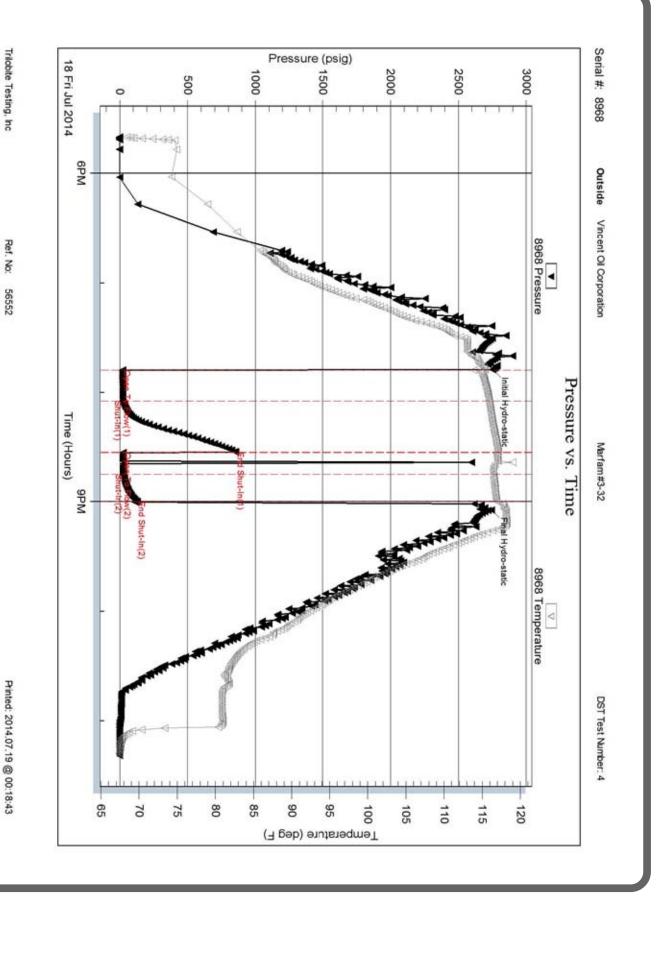
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WELL SITE OPERATIONS / JIM HALL SUPERVISOR

OPERATOR: Vincent Oil Corp.

WELL REFERENCE SHEET SUBJECT WELL: Marfam #3-32

SUBJECT WELL LOCATION: W/2 SE NE NW 32-T29S-24W

SUBJECT WELL DATUM: 2,585

REF. WELL 'A' Vincent Marfam 1-32 NE NW 32-29-24 DATUM: 2,581

REF. WELL 'B' Vincent Dufford 2-32 NW NE 32-29-24 DATUM: 2,583

# E-LOG TOPS

SUBJECT WELL: ZONE			WELL 'A'			WELL 'B'		
	DEPTH	DATUM	DEPTH	DATUM	REF.	DEPTH	DATUM	REF.
HEEB.	4,392	-1,807	4,396	-1,815	8	4,398	-1,815	8
Brown Ls.	4,528	-1,943	4,528	-1,947	4	4,535	-1,952	9
Lansing	4,538	-1,953	4,539	-1,958	5	4,546	-1,963	10
Stark Sh	4,888	-2,303	4,894	-2,313	10	4,900	-2,317	14
Hushp. Sh	4,932	-2,347	4,939	-2,358	11	4,946	-2,363	14
Marmaton	5,042	-2,457	5,043	-2,462	5	5,051	-2,468	11
PAWNEE	5,116	-2,531	5,126	-2,545	14	5,128	-2,545	14
Labette Sh	5,144	-2,559	5,152	-2,571	12	5,155	-2,572	13
CKE Sh	5,165	-2,580	5,175	-2,594	14	5,176	-2,593	13
2nd CKE	5,197	-2,612	5,209	-2,628	16	5,208	-2,625	13
B/Penn.	5,275	-2,690	5,288	-2,707	17	5,288	-2,705	15
SAND#1	5,288	-2,703	5,300	-2,719	16	5,300	-2,717	14
SAND#2						5,324	-2,741	
MISS.	5,308	-2,723	5,329	-2,748	25	5,346	-2,763	40
1st Por.	5,356	-2,771	5,352	-2,771	even	5,352	-2,769	-2

## Qualifiers

## **CARBONATE CLASSIFICATION:**

AFTER DUNHAM: GRAIN; any fossil, fossil fragment, sand grain, or other rock fragment within the rock. MUDSTONE; muddy carbonate rocks containing less than 10% grains. WACKESTONE; mud supported carbonate rocks with more than 10% grains. PACKSTONE; grain supported muddy carbonate rocks. GRAINSTONE; mud free carbonate rock, grain supported. BOUNDSTONE; carbonate rock bound together at deposition (coral, etc.). CRYSTALLINE CARBONATE; carbonate rock retaining to little of their depositional texture to be classified.

Qualifiers; (Fossils, Minerals, Shows, Porosity, etc.) rare = less than 1% of sample total, trace = less than 5% of sample total, greater than 5% an estimate of total percentage.

