

15-007-22787

9-30s-12w

API 15-007-227870000
Vincent Oil Corporation
Boyd 1-9
NW SE SE
Sec. 9-T30S-R12W
Barber County, Kansas
Dec. 2003/Jan. 2004

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General Well Data

Operator: Vincent Oil Corporation (lic. 5004)
125 North Market, Suite 1075
Wichita, Kansas 67202

Project or Company Geologist: Mr. Richard S. Jordan

A.P.I. and Well Name: 15-007-227870000, Boyd 1-9

Prospect or Field Name: Amber Mills extensions

Location: NWSESE of Sec. 9-T30S-R12W in Barber Co., KS. From the intersection of HWY 281/160 in Medicine Lodge, KS, proceed north through Medicine Lodge for 11.3 miles along HWY 281, turn north at Spring Creek Road, proceed north for 2.4 miles, turn east at Quivera RD, proceed east for 0.3 miles to location entrance, north into along terrace 990 to pad

Elevation: KB 1824, DF 1822, GL 1819, 05' GL to KB

Spud Date: Saturday, December 27, 2003, 11:45 AM

Completed: Sunday, January 4, 2004, 9:22PM

Total Depth: Rotary: 4650 feet, Logged: 4648 feet

Contractor: Mallard Drlg, JV, Rig 1 (lic. 4958)

Toolpusher: Levon Urban, Hoisington, Kansas

Rig Type: BDW 450T, double, earthen pits

Power: Cat 353

Drill Pipe: 4 $\frac{1}{2}$ " XH, WT: 16.0#/ft, Grade "E", OD: 6 $\frac{1}{4}$ ", ID: 2 $\frac{1}{4}$ "

Drill Collars: #16-Length 494.09 ft, OD: 6 $\frac{1}{4}$ ", ID: 2 $\frac{1}{4}$ "

Pumps 1: Emsco D375, Liners: 6", Stroke 14"

Power: Cat 353

Surface Casing: Ran 8 jts, New 23#, 8-5/8" surface casing, tallied at 463.40 ft.
Set at 374.00 feet, Cemented w/260 sxs 60/40 POZ (2% gel, 3% gel),
Cement DID Circulate, Plug Down at 5:45pm 12-27-03 by Allied
Cementing

Mud Program: Eng: Brad Bortzs

MUD-CO, Inc.

100 South Main, Suite 405

Wichita, Kansas 67202

Mud Type: Chemical

Drilling Engineer: NONE
(Foreman)

General Well Data

Page Two

Geologic Supervision: Kenneth M. LeBlanc/Panther Energy, Inc.
(Geologist) 2349 North Stoneybrook Court
Wichita, Kansas 67226-3604

Samples: Twenty (20) foot samples from 1850 feet to 3900 feet
Ten (10) foot samples from 3900 feet to 4650 feet
Uncut drill cuttings were delivered to the Kansas Geological Survey's
Wichita, Kansas storage facility for cut and storage.

Drilling Time: One (1) foot drill time from 1950 feet to 4650 feet

Gas Detector: MBC Logging and Leasing (Unit 0)
P.O. Box 956
Meade, Kansas 67864
[Hot Wire & Chromatograph,
Molytek recorder]

Cores: NONE, Core Retrieval: NONE

(D)rill (S)tem (T)ests: Trilobite Testing, LLC
Tester: Darren Amerine, Haviland, Kansas
DST 1) 2960-3020 (Tarkio Sand)
DST 2) 4160-4185 (KC Swope)
DST 3) 4328-4385 (Miss./Cong. Chert)

Elogs: ELI Wireline, Hays, Kansas
Engineer: Mitch Rupp
Crew: Dan Grover

Logging made with two (2) passes over the borehole
Surveys: Compensated Density/Neutron Log w/SP
Dual Induction Log
Sonic Log

Water: well water on lease near entrance approx. 100 FSL & 100 FEL

Fuel: Shriners Oil Company, Ogalla, Kansas

Production: Plugged and Abandoned - Plugging Orders

50 sxs at 700'
50 sxs at 390'
10 sxs at 40' in surface casing
10 sxs in mousehole
15 sxs in rathole
135 sxs 60/40 POZ (6% gel)

For KCC Use: 12.21.03
Effective Date: 12.21.03
District #: 1
SGA? ☒ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

NOTICE OF INTENT TO DRILL

Must be approved by KCC five (5) days prior to commencing well

RECEIVED
DEC 12 2003
KCC WICHITA

Form C-1
December 2002
Form must be Typed
Form must be Signed
All blanks must be Filled

Expected Spud Date December 22 2003
month day year

OPERATOR: License# 5004
Name: VINCENT OIL CORPORATION
Address: 125 N. Market, Suite 1075
City/State/Zip: Wichita, KS 67202
Contact Person: Rick Hiebsch
Phone: 316-262-36573

CONTRACTOR: License# 4958
Name: Mallard JV, Inc.

Well Drilled For:	Well Class:	Type Equipment:
☒ Oil	☐ Enh Rec	☐ Infield
☒ Gas	☐ Storage	☒ Pool Ext.
☐ OWWO	☐ Disposal	☐ Wildcat
☐ Seismic; # of Holes	☐ Other	☐ Cable
☐ Other		

If OWWO: old well information as follows:

Operator: _____
Well Name: _____
Original Completion Date: _____ Original Total Depth: _____

Directional, Deviated or Horizontal wellbore? ☐ Yes ☒ No

If Yes, true vertical depth: _____

Bottom Hole Location: _____

KCC DKT #: _____

Spot: NW SE SE
SW SW SE Sec. 9 Twp. 30 S. R. 12
990 feet from ☐ N / ☒ S Line of Section
990 feet from ☒ E / ☐ W Line of Section
Is SECTION ☒ Regular ☐ Irregular?

(Note: Locate well on the Section Plat on reverse side)

County: Barber
Lease Name: Boyd Well #: 1-9
Field Name: Amber Mills

Is this a Prorated / Spaced Field? ☐ Yes ☒ No

Target Formation(s): Simpson

Nearest Lease or unit boundary: 330'

Ground Surface Elevation: 1819 feet MSL

Water well within one-quarter mile: ☒ Yes ☐ No

Public water supply well within one mile: ☐ Yes ☒ No

Depth to bottom of fresh water: 175'

Depth to bottom of usable water: 250' 206'

Surface Pipe by Alternate: ☒ 1 ☐ 2

Length of Surface Pipe Planned to be set: 350 ft.

Length of Conductor Pipe required: NONE

Projected Total Depth: 4650 ft.

Formation at Total Depth: Simpson

Water Source for Drilling Operations:

☐ Well ☐ Farm Pond Other: unknown

DWR Permit #: _____

(Note: Apply for Permit with DWR ☐)

Will Cores be taken? ☐ Yes ☒ No

If Yes, proposed zone: _____

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office **prior** to spudding of well;
2. A copy of the approved notice of intent to drill **shall be** posted on each drilling rig;
3. The minimum amount of surface pipe as specified below **shall be set** by circulating cement to the top; in all cases surface pipe **shall be set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary **prior to plugging**;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within **120 days** of spud date.
Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **In all cases, NOTIFY district office** prior to any cementing.

I hereby certify that the statements made herein are true and to the best of my knowledge and belief.

Date: December 11, 2003 Signature of Operator or Agent: Rick Hiebsch Title: President

For KCC Use ONLY

API # 15 - 007-22787-00-00

Conductor pipe required NONE feet

Minimum surface pipe required 220 feet per Alt. ①

Approved by: RJP 12.16.03

This authorization expires: 6.16.04

(This authorization void if drilling not started within 6 months of effective date.)

Spud date: _____ Agent: _____

Remember to:

- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.
- If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.

☐ Well Not Drilled - Permit Expired

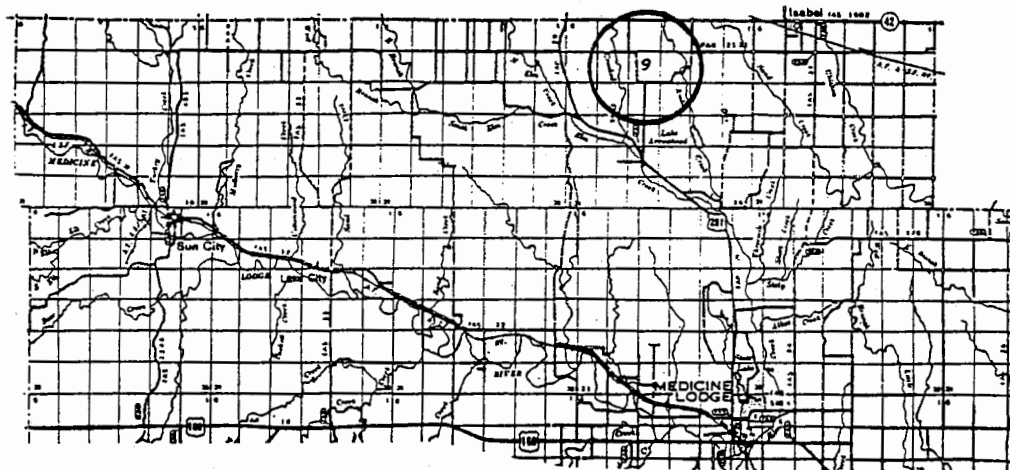
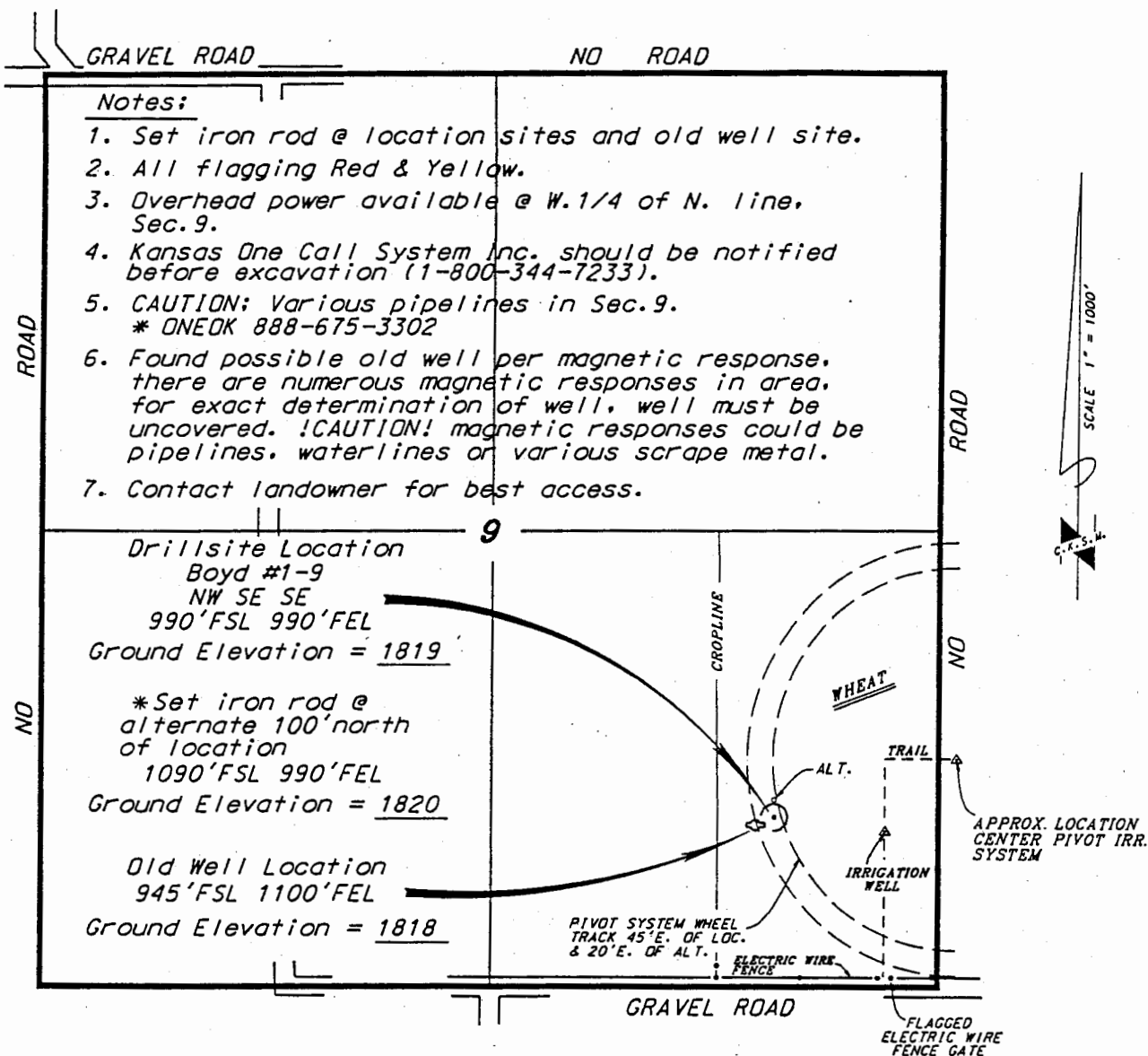
Signature of Operator or Agent: _____

Date: _____

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

VINCENT OIL CORPORATION
BOYD LEASE
SE.1/4, SECTION 9, T30S, R12W
BARBER COUNTY, KANSAS

* Ingress and egress to location as shown on this plot is per usage only and may not be legally opened for public use. Contact landowner, tenant and county road department for access.



- Controlling data is based upon the best maps and photographs available to us and upon a regular section of land containing 640 acres.
- Approximate section lines were determined using the normal standard of care of oilfield surveyors practicing in the state of Kansas. The section corners, which establish the precise section lines, were not necessarily located, and the exact location of the drillsite location in the section is not guaranteed.
- Elevations derived from National Geodetic Vertical Datum.

Date

December 5, 2003

VINCENT OIL CORPORATION
ADVANCE DRILLING INSTRUCTIONS

CONTRACTOR: Mallard JV, Inc. WELL NAME: Boyd 1-9

LOCATION: NW SE SE API #: _____

SEC. 9 TWP. 30S RGE: 12W COUNTY: Barber STATE: Kansas

ELEVATION: K.B.: 1824 D.F.: _____ G.L.: 1819

ESTIMATED FORMATION TOPS:

<u>Chase</u>	<u>2000</u>	<u>Mississippian</u>	<u>4300</u>
<u>Onaga</u>	<u>2750</u>	<u>Viola</u>	<u>4460</u>
<u>Stotler</u>	<u>2940</u>	<u>Simpson</u>	<u>4575</u>
<u>L-KC</u>	<u>3850</u>	<u>RTD</u>	<u>4590</u>

DRILLING TIME: Log: 1 Drilling time from 1950 feet to TD feet.

Log: _____ Drilling time from _____ feet to _____ feet.

SAMPLES: Bag: 20 foot. samples from 1850 feet to 2700 feet.

Bag: 10 foot. samples from 2700 feet to TD feet.

GEOLOGIST: Geologist on this well is: Ken LeBlanc

Call Depth: 2400 Stop Depth: 2700

Office Phone: 316-630-0195 Cell Phone: 806-930-2014
Home Phone: 315-630-0195

Number of Geological Reports: 15

REPORTS: Wichita Office 316-262-3573 or 1-800-373-3573
Dick Jordan 316-722-7641 Rick Hiebsch 316-733-0253

MUD: Mudco

Have mud in shape for possible DST by: (see Mud Program)

Suggest Vis. _____ Wt. _____ W.L. _____

TESTING: _____
Note: Save samples of all DST fluids and/ or gas.

LOGGING PROGRAM: Gas Detector: MBC Well Logging
620-873-2953 in operation at 2500 feet.

Electric Log: _____ No. of copies 18

Detail: _____

SURFACE CASING: Size: 8 5/8 23# New L.S. Feet: 350

Company: Sunrise Supply - Spivey, KS

Transport: Call when needed Centralizers: _____

CEMENT: Company: Allied Cementing

Amount: 235 sx Class A 60/40 2% gel: 3% cc

Note: Wait on cement 8 hours. Limit rotary speed when drilling out until collars are clear of surface pipe.

LANDOWNER/ TENANT: Name: Calvin Boyd Telephone: 620-594-2293

Address: 12001 NW Spring Creek Road, Medicine Lodge, KS 67104

OTHER INSTRUCTIONS: Call landowner before making location.

Mud-Co / Service Mud Inc.

100 S. Main St., Suite #405 / Wichita, Ks. / 316-264-2814

Company: Vincent Oil Corporation (Mallard Drilling #1) Date: 11/17/2003
 Well Name: #1-9 Boyd Proposed Depth 4650'
 Location: SE/4, 9-30S-12W County: Barber State: Kansas
 Casing, Cond: None Surface: 8 5/8" @ 350' Inter: _____ Prod: _____

RECOMMENDED MUD PROPERTIES

TREATMENTS

DEPTH FT	WEIGHT LBS/GAL	VISCOSITY SEC/QT	FILTRATE ML	LCM LBS/BBL	
0'					
350'	9.4-10	34-40	no cont	1-2	-Premix Soda ash and Premium Gel in fresh water for viscosity to drill surface hole. -Add Lime as needed to thicken mud and sweep hole clean for casing. -Add LCM as needed for 1-2 lbs/bbl.
350' 1900'	9.0-9.4	as needed	no cont	0-1	-Drill this interval with native mud and plenty of fresh water. -Premix Soda Ash and Premium Gel in fresh water and add as needed for viscosity to clean the hole. -Add LCM as needed. No loss expected.
1900' 3500'	9.2-9.5	31-33	no cont	0-1	-Premix Soda Ash and Premium Gel in fresh water and add as needed for viscosity to clean the hole and to provide good samples. -Possible DST in this interval. For a DST, circulate the hole clean and spot a thick tank of chemical premix in the hole. -Add LCM as needed. No loss expected.
3500' 4200'	9.2-9.4	40-45	12-15	0-1	-Have frac and premix tank full of chemical mud and ready to displace the hole at 3500' -Keep hardness treated out with Soda Ash -Raise and maintain ph @ 9.5-10 with Caustic -Mix lignite in each tank and at flowline to disperse gel and help reduce filtrate. -Raise and maintain viscosity @ 40-45 sec/qt. -Add Drill Pak as needed to reduce filtrate to 12-15cc. -Add LCM as needed. No loss expected.
4200' 4650'	9.2-9.4	45-48	10-12	0-1	- Same chemical treatments as above. - Raise vis to 45-48 sec/qt. with premix - Reduce filtrate to 10-12 cc. with Drill Pak - Add LCM as needed.

REMARKS

- Check Make up water prior to spudding, during drilling and at reserve pit at TD. Record calcium content, chloride content and source of water.
- Possible Chase group DST's. See treatments section above.
- Displace system at 3500' and have mud and hole in condition to DST from the Lansing (3825') to TD.
- Suggest a short trip prior to DST or log, if hole pulls tight on trips out.

Estimated cost for mud materials: \$ 7,500.00 (less 15% for payment in 30 days)Recommended program based on: experience and records in the immediate area.

Mud-Co / Service Mud Inc. Warehouse - Pratt, Ks.

(620) 672-2957

Mud-Co / Service Mud Inc. Field Engineer - Brad Bortz - Pratt, Ks.

(620) 672-1052

Mud-Co / Service Mud Inc. District Office - Wichita, Ks.

(316) 264-2845

The above recommendation are statements of opinion only, and are made without any warranty of any kind as to performance and without assumption of any liability by Mud-Co / Service Mud Inc., its agents or representatives.

Date

12/4/2003

Allied Cementing Co., Inc.

PO Box 368 * Medicine Lodge, Ks 67104 * Phone 620-886-5926 * FAX 620-886-3134

Bid Sheet

Company VINCENT OIL CORPORATIONLease BOYOWell No. 1-9Type Job SURFACE 350' 8 5/8"Type & Amount Material LISTED BELOWLocation Barber County 9-30-12Bid Prepared by ROSE McKAY

	Units	Cost per Unit	Total		Units	Cost per Unit	Total
Pump Truck	1.00	\$520.00	\$ 520.00	Common	141	\$7.15	\$ 1,008.15
Plug	1.00	\$45.00	\$ 45.00	Pozmix	94	\$3.80	\$ 357.20
Footage	50.00	\$0.50	\$ 25.00	Gel	4	\$10.00	\$ 40.00
Mileage	13.00	\$3.50	\$ 45.50	CC	8	\$30.00	\$ 240.00
Total			\$ 635.50	Liteweight			\$ -
				Salt			\$ -
Float Equipment				Hulls			\$ -
Guide Shoe			\$ -	A.S.C.			\$ -
Insert/Float Collar			\$ -	Gilsonite			\$ -
Centralizer			\$ -	Sand			\$ -
Basket			\$ -	WFR-2			\$ -
Stage Collar			\$ -	Flo Seal			\$ -
Port Collar			\$ -	Handling	247	\$1.15	\$ 284.05
Scratchers			\$ -	Mileage	247.00	\$0.05	\$ 160.55
Packer Shoe			\$ -				\$ -
Baffle Plate			\$ -				\$ -
Latch Down			\$ -				\$ -
Total			\$ -				\$ -
							\$ -
Yield	Per Sack						\$ -
Density PPG	Per Gallon						\$ -
Mixing Water	Gal per Sack			Total			\$ 2,089.95

FLOAT EQUIPMENT		\$ -		CEMENT:	
PMP. TRK. CHR.G.		\$ 635.50		235 sx Class A 60/40 2% Gel:3%CC	
MATERIAL		\$ 2,089.95			
SUB-TOTAL:		\$ 2,725.45			
DISCOUNT:	10.00%	272.55			
SALES TAX:		-			
TOTAL:		\$ 2,452.91			

This price good for 30 days from date of Bid.

Thank You!

BOYD #1-9
DRILLING INFORMATION

NW SE SE
Sec. 9-30S-12W
Barber County, KS

Vincent Oil Corporation
Amber Mills North Prospect

OPERATOR: Vincent Oil Corporation

MUD PROPERTIES

CONTRACTOR: Mallard J.V. Inc.

Vis. Wt. W.L. Cost
45 9.3 10.4 \$5691

ELEVATION: 1819 ft. G.L. - 1824 K.B.

STRAIGHT HOLE SURVEY

GEOLOGIST: Ken LeBlanc

Degree Depth
1¼ 3020'

REFERENCE WELL: Federal Petroleum
#1 Chance
C SW SW
Sec. 4-30S-12W

SAMPLE TOPS	REF. WELL	ELECTRIC LOG	REF. WELL
Herrington 1996 (-172)	-5	1993 (-169)	-2
Fort Riley 2168 (-344)	-5	2166 (-342)	-3
Cottonwood 2515 (-691)	-14	2516 (-692)	-15
Red Eagle 2643 (-819)	-12	2646 (-822)	-15
Onaga Shale 2773 (-949)	-17	2769 (-945)	-13
Wabaunsee 2821 (-997)	-10	2818 (-994)	-7
Stotler 2957 (-1133)	-4	2955 (-1131)	-2
Tarkio Sand 2971 (-1147)	-8	2969 (-1145)	-6
Topeka 3335 (-1511)	-22	3337 (-1513)	-24
Heebner Shale 3707 (-1883)	-23	3706 (-1882)	-22
Brown Lime 3866 (-2042)	-21	3863 (-2039)	-18
Lansing 3879 (-2055)	-22	3877 (-2053)	-20
Stark Shale 4171 (-2347)	-25	4171 (-2247)	-25
BKC 4287 (-2463)	-27	4284 (-2360)	-24
Marmaton 4291 (-2467)	-22	4290 (-2466)	-21
Mississippian 4331 (-2507)	-26	4331 (-2507)	-26
Kinderhook sh. 4385 (-2561)	-7	4384 (-2560)	-6
Viola 4494 (-2670)	-20	4495 (-2671)	-21
Simpson Sand 4623 (-2799)	-27	4626 (-2802)	-30
RTD/ LTD 4650 (-2826)		4648 (-2824)	

12-23-03 MIRT

12-27-03 Spud with 12¼ in. bit @ 11:45 a.m. Drilled to 374 ft. and ran 8 jts., 363.40 ft. of 8 5/8 in. 23# new surface casing and set at 374 ft. Cemented with 260 sacks of 60/40 poz, 2% gel, 3% cc. Cement did circulate. Plug down at 5:45 p.m.

12-28-03 Drilling @ 745 ft.

12-29-03 Drilling @ 2071 ft.

BOYD #1-9
DRILLING INFORMATION
Page 2

12-30-03 Drilled to 3020 ft. **2960**
DST #1 ~~2980~~ ft. to 3020 ft. (Tarkio Sand)
30", 45", 30", 45"
1st open: weak blow
2nd open: weak blow died in 5 min. flushed tool, same blow
Rec'd: 80 ft. of water cut mud (40% water, 60% mud)
IFP: 17# - 31# FFP: 36# - 74#
ISIP: 911# FSIP: 730#
Charts indicate zone is tight and non-commercial

12-31-03 Drilling @ 3230 ft.

01-01-04 Drilled to 4185 ft. DST #2 4160 ft. to 4185 ft. (L.K.C. Swope)
30", 60", 60", 90"
1st open: strong blow off bottom in 2 min.
2nd open: strong blow off bottom in 3 ½ min.
Rec'd: 620' of gas in pipe
120' of slightly gas and oil cut muddy water
(4% gas, 6% oil, 40% mud, 50% water)
660' of saltwater
IFP: 49# - 195# FFP: 207# - 359#
ISIP: 1512# FSIP: 1500#
Temp. 132 degrees

01-02-04 Drilled to 4385 ft. DST #3 4328 ft. to 4385 ft. (Mississippian)
30", 60", 45", 90"
1st open: fair blow increasing to 11 in.
2nd open: fair blow increasing to 6 in.
Rec'd: 1400' of gas in pipe
30' very slightly gas cut mud (8% gas, 92% mud)
IFP: 17# - 25# FFP: 18# - 40#
ISIP: 150# FSIP: 155#
Temp. 122 degrees
Charts indicate zone is tight and non-commercial

01-03-04 Drilling @ 4395 ft.

01-04-04 Drilled to RTD of 4650 ft. Ran electric log. **Dry and abandoned.**
Plugging information:
1st plug @ 700' w/ 50sx
2nd plug @ 390' w/50 sx
3rd plug @ 40' in surface casing w/10 sx
15 sx in rathole and 10 sx in mudhole
Total of 135 sx of 60/40 poz, 6% gel.
Plug down at 3:30 p.m. Released rig.

Electric log confirmed all zones with any potential were tested. All DST's were negative and well is a dry hole.

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 Boyd 1-9
 NW SE SE
 Sec. 9-T30S-R12W
 Barber County, Kansas
 Dec. 2003/Jan. 2004

<u>Formations</u>	<u>Sample Tops</u>	<u>Corrected Sample Tops</u>	<u>Elog Tops</u>
B/Surface Casing	374		374
Herington	1996		1993 - 169
Winfield			2050 - 226
Towanda			2117 - 293
Fort Riley	2168		2166 - 342
Base Florence Chert	2263		2260 - 436
Council Grove			2243 - 419
Cottonwood Porosity	2515		2516 - 692
Red Eagle Porosity	2643		2646 - 822
Onaga Shale	2773		2769 - 945
Indian Cave Sand	2784		2786 - 962
Wabaunsee	2821		2818 - 994
Stotler	2957		2955 - 1131
Tarkio Sand	2971		2969 - 1145
Tarkio	3015		3014 - 1190
Howard	3190		3188 - 1364
Topeka	3335		3337 - 1513
Kanwaka Shale	3533		3534 - 1710
Elgin Sand	ABS		Absent
Oread	3615		3612 - 1788
Heebner Shale	3707		3706 - 1882
Toronto Ls			3720 - 1896
Douglas Shale	3731		3730 - 1906
Douglas Sand	3780		3778 - 1954
Brn Ls	3866		3863 - 2039
Lansing	3879		3877 - 2053
Drum			4079 - 2255
Stark Shale	4171		4171 - 2193
Swope Porosity	4176		4172 - 2347
Hush Shale	4214		4208 - 2236
BKC	4287		4284 - 2384
Marmaton	4298	4291	4290 - 2466
Miss. Cong. Chert	4331		4331 - 2507
Lower Miss. Chert	4355		4352 - 2528
Kinderhook Shale	4385		4384 - 2560
Viola	4494		4495 - 2671
Simpson Shale	4616		4618 - 2794
Simpson Sand	4623		4626 - 2802
RTD, LTD	4650		4648 - 2824

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<u>FORMATION TOPS, Control Wells -)</u>	<u>"A"</u>	<u>"B"</u>
Vincent Oil Corp.	Federal Pet., Inc.	Texas Energies, Inc.
Boyd 1-9	Chance 1	Boyd 1-10
NW SE SE	C SW SW	App. C N/2 SW
Sec. 9-T30S-R12W	Sec. 4-T30S-R12W	Sec. 10-T30S-R12W
Barber Co., KS	Barber Co., KS	Barber Co., KS
KB 1824, GL-KB 05'	KB 1875	KB 1866

Formation Tops (drill time & sample)		elog (+/-)	elog (+/-)
Herington	1996- 172	2042- 167 (-05)	2016- 150 (-22)
Fort Riley	2168- 344	2224- 349 (-05)	2190- 324 (-20)
B/Florence Chert	2263- 439	2308- 433 (-06)	2282- 416 (-23)
Cottonwood Por	2515- 691	2552- 677 (-14)	2532- 666 (-25)
Red Eagle Por	2643- 819	2682- 807 (-12)	2668- 802 (-17)
Onaga Shale	2773- 949	2807- 932 (-17)	2789- 923 (-26)
Wabaunsee	2821- 997	2862- 987 (-10)	2838- 972 (-25)
Stotler	2957-1133	3004-1129 (-04)	2977-1111 (-22)
Tarkio Sand	2971-1147	3021-1146 (-01)	2990-1124 (-23)
Tarkio	3015-1191	3058-1183 (-08)	3036-1170 (-21)
Howard	3190-1366	3232-1357 (-09)	3212-1346 (-20)
Topeka	3335-1511	3364-1489 (-22)	3366-1500 (-11)
Kanwaka Shale	3533-1709	3570-1695 (-14)	3560-1694 (-15)
Oread	3615-1791	3632-1757 (-34)	3594-1728 (-63)
Heebner Shale	3707-1883	3735-1860 (-23)	3740-1874 (-09)
Douglas Shale	3731-1907	3769-1894 (-13)	3768-1902 (-05)
Brn ls	3866-2042	3896-2021 (-21)	3901-2035 (-07)
Lansing	3879-2055	3908-2033 (-22)	3914-2048 (-07)
Stark Shale	4171-2347	4197-2322 (-25)	4207-2341 (-06)
Swope Porosity	4176-2352	4200-2325 (-27)	4208-2342 (-10)
Hush Shale	4214-2390	4233-2358 (-32)	4245-2379 (-11)
BKC	4287-2463	4311-2436 (-27)	4321-2455 (-08)
Marmaton	4298-2474	4320-2445 (-29)	4328-2462 (-12)
Cong/Miss Chert	4331-2507	4356-2481 (-26)	Absent
Lwr Miss. Chert	4355-2531	4384-2509 (-22)	4383-2517 (-14)
Kinderhook Shale	4385-2561	4429-2554 (-07)	4406-2540 (-21)
Viola	4494-2670	4525-2650 (-20)	4526-2660 (-10)
Simpson Shale	4616-2792	4642-2767 (-25)	4644-2778 (-14)
Simpson Sand	4623-2799	4647-2772 (-27)	4647-2781 (-18)
RTD	4650-2826		
LTD	4648-2834		

Well Chronology
6:30 AM Report

Tue. 12-23-03 MIRT, Rig Up, Shut Down for X-MAS,
Wed. 12-24-03 Shut Down for X-MAS,
Thu. 12-25-03 X-MAS Day,
Fri. 12-26-03 Shut Down for X-MAS,
Sat. 12-27-03 Spud 11:45am, Set 8-5/8" surf. csg at 374'
Sun. 12-28-03 Drilling at 745', 745' last 24 hrs
Mon. 12-29-03 Drilling at 2071', 1326' last 24 hrs
Tue. 12-30-03 Drilling at 2879', 808' last 24 hrs, DST 1)3020
Wed. 12-31-03 Drilling at 3230', 351' last 24 hrs
Thu. 01-01-04 Drilling at 3956', 756' last 24 hrs, DST 2)4185
Fri. 01-02-04 4185 - CTCH A/DST 2, 229' last 24 hrs, DST 3)4385
Sat. 01-03-04 Drilling at 4395', 210' last 24 hrs
RTD 4650 at 9:22pm, CFS 90", Drop Survey, TOOH f/LOGS, ELI
Wireline Svc. logging off bottom at 1:00am, finished at 6:00am
Sun. 01-04-04 4650' - WOO, Orders to P&A at 9:30am

SUMMARY:

The Vincent Oil Corp., Boyd 1-9 was drilled to a vertical total depth of 4650 feet sufficient to evaluate potentially productive porosities within the Simpson formation. The VOC, Boyd 1-9 is a offset to the Amber Mills Pool with a main producing horizon found in the upper Viola formation.

The primary zones of interest for the VOC, Boyd 1-9 were Indian Cave Sand, Tarkio Sand, LKC Drum, Swope, Marmaton, Miss. Osage Chert and Viola Dolomite. Localized shows and production are documented within this described township.

Local control included the TEX. Eng. Boyd 1-10 in the S/2 NW of Sec. 10 drilled in May 1984 and the Federal Pet. Chance 1 drilled in May 1968 in the C SW SW of Sec. 4. The VOC, Boyd 1-9 ran structurally low on all horizons and formations from the Herington to RTD. This was expected as the main zone of interest was in evaluating the Miss. Cong. Chert of the flanks of this Ordovician feature. The Allison and Fitzsimmons, Morrisse in the approx. NW SE SE of Sec. 9 drilled in 1929 with cable tools. This well reported a show of gas of 500 MCFG and a good show of oil in the Miss. Cong. interval. This interval was present in the VOC Boyd 1-9 but lacked the development as reported in the offsetting old well. Three (3) negative DST's evaluated all zones of interest which exhibited significant shows of oil and gas. These zones included the Tarkio Sand, KC Swope and Miss. Cong. Chert. Smaller shows were noted in the Marmaton interval and the Viola Dolomite. It was decided these zones did NOT warrant a DST and would be evaluated by elong suites.

Significant Sample Shows or Gas Increases are reported within this report under **SAMPLE SHOW REPORTS**.

Gas Increases were observed throughout the drilling of the above referenced well, but has **NO ACCOMPANYING SAMPLE SHOWS** and are listed sequentially.

GAS INCREASE: HW-10u, NO Recycle in the KC Drum interval 4082-4089, dt
HW-10u, NO Recycle in the KC Dennis interval 4140-4145, dt

Daily Mud Properties

Date	Depth	WT	VIS	PV	YP	PH	WL	Solids	Chl	Cal	LCM	Costs
12-27-03	SPUD											
12-28-03	862	9.1	29			7.0	NC	5.4%	2400	NC	0#	583.30
12-29-03	NO REPORT											
12-30-03	2910	9.9	32	05	17	7.0	NC	6.3%	85000	NC	0#	2,741.78
12-31-03	3250	9.7	31	05	12	7.0	NC	7.3%	83000	NC	0#	3,711.77
01-01-04	3962	9.2+	45	12	15	10.5	10.5	6.2%	3500	60	0#	3,966.67
01-02-04	4229	9.3	52	15	20	10.5	9.6	6.7%	4000	60	0#	4,704.31
01-03-04	4491	9.3	55	10	27	9.5	12.0	6.8%	5500	80	0#	5,735.95
01-04-04	4650	9.4	52	12	26	9.5	9.6	7.5%	4500	80	0#	5,961.80

Bit Record

Num.	Make	Type	Size	Jets	Out	Footage	Hours
1	RT	RT	12-1/4"	15-15-15	374	374	2-1/2
3	Reed	HP52	7-7/8"	13-13-13	4650	4276	103-3/4
Total Bit Hours--)						4650	106-1/4

Average Penetration Rate: B/Surf. Csg. to RTD: --.-- ft/hr
 surface (00) to RTD: 43.76 ft/hr

Deviation Record

374 - 1/2 degrees - dropped, 3020 - 1-1/4 degrees - dropped
 4385 - 1 degree - dropped, 4650 - 1 degree - dropped

Pipe Strap

3020 - 1.07 feet short to board - NO Correction

Loss Circulation

NONE

Daily Drilling Report, Tue. Dec. 30, 2003

Vincent Oil Corporation
Boyd 1-9
NW SE SE, Sec. 9-T30S-R12W
Barber County, Kansas

Depth at 6:30 AM, 2879 feet, 808 feet last 24 hours, T27, clear, sunny, dry
Current Activity - drilling ahead in Wabaunsee interval
Rig Mud Check - WT. --, VIS --, WL --, at -- ft. at 00:00 AM

ENGINEERING MUD PROPERTIES at 2910 ft. for Tue. Dec. 30, 2003 at 07:00 AM
MUD-CO, INC: Brad Bortz, cell(620-793-2421), HM(620-672-1052)
Mud Wt.- 9.9 ppq Vis. - 32 sec/qt PV - 05
YP - 17 lbs/100cu/ft2 W.L. - NC cm3/30 min. Solids - 6.3%
CHL - 85000 PPM LCM - 0.0 lbs/bbl
Cumulative Mud Cost \$ 2,741.78 w/trucking, cost last 24 hrs, \$2,158.48

ROTARY RIG CHARACTERISTICS (Mallard JV Rig 1, 785-731-5160)
Tool Pusher: Levon Urban, Hoisington, KS (cell 785-731-5161)
Bit #2, Size: 7-7/8", Type: Reed HP52 IN at 374 feet (HOB 43-1/4 hrs)
Bit Jets - 14-14-14
W.O.B. - 35 KLBS, R.P.M. - 75 reps
P.Press. - 1200 LBS, S.P.M. - 60 STKS

MISC.

C.F.S. at (NONE)
Bit Trip at (NONE)
Deviation at (NONE)
Pipe Strap at (NONE)
Loss Circ. at (NONE)
DOWN TIME - Only to Servive rig and clean pits

FORMATION TOPS, Control Wells -)

Vincent Oil Corp.
Boyd 1-9
NW SE SE
Sec. 9-T30S-R12W
Barber Co., KS
KB 1824, GL-KB 05'

"A"
Federal Pet., Inc.
Chance 1
C SW SW
Sec. 4-T30S-R12W
Barber Co., KS
KB 1875

"B"
Texas Energies, Inc.
Boyd 1-10
App. C N/2 SW
Sec. 10-T30S-R12W
Barber Co., KS
KB 1866

Herington	1996- 172	2042- 167 (-05)	2016- 150 (-22)
Fort Riley	2168- 344	2224- 349 (-05)	2190- 324 (-20)
B/Florence Chert	2263- 439	2308- 433 (-06)	2282- 416 (-23)
Cottonwood Por	2515- 691	2552- 677 (-14)	2532- 666 (-25)
Red Eagle Por	2643- 819	2682- 807 (-12)	2668- 802 (-17)
Onaga Shale	2773- 949	2807- 932 (-17)	2789- 923 (-26)
Wabaunsee	2821- 997	2862- 987 (-10)	2838- 972 (-25)

NO SIGNIFICANT GAS INCREASES OR SAMPLE SHOW PARAMETERS AT REPORT TIME

background gas - HW-20u, Chrom (C1-5u, C2-2u, C3-0u)
sample quality - fair, poor mud properties

Kenneth M. LeBlanc, Wellsite Geologist (806-930-2014)

Daily Drilling Report, Wed. Dec. 31, 2003

Vincent Oil Corporation
Boyd 1-9
NW SE SE, Sec. 9-T30S-R12W
Barber County, Kansas

Depth at 6:30 AM, 3230 feet, 351 feet last 24 hours, T28, clear, sunny, dry
Current Activity - drilling ahead in Howard interval
Rig Mud Check - WT. --, VIS --, WL --, at ---- ft. at 00:00 AM

ENGINEERING MUD PROPERTIES at 3250 ft. for Wed. Dec. 31, 2003 at 06:30 AM
MUD-CO, INC: Brad Bortz, cell(620-793-2421), HM(620-672-1052)
Mud Wt.- 9.7 ppg Vis. - 31 sec/qt PV - 05
YP - 12 lbs/100cu/ft2 W.L. - NC cm3/30 min. Solids - 7.3%
CHL - 43000 PPM LCM - 0.0 lbs/bbl
Cumulative Mud Cost \$ 3,711.77 w/trucking, cost last 24 hrs, \$ 969.99

ROTARY RIG CHARACTERISTICS (Mallard JV Rig 1, 785-731-5160)
Tool Pusher: Levon Urban, Hoisington, KS (cell 785-731-5161)
Bit #2, Size: 7-7/8", Type: Reed HP52 IN at 374 feet (HOB 53-1/2 hrs)
Bit Jets - 14-14-14
W.O.B. - 35 KLBS, R.P.M. - 72 reps
P.Press. - 1100 LBS, S.P.M. - 58 STKS

MISC.

C.F.S. at 3020 for 45 minutes - Tarkio Sand
Short Trip at 3020 - 20 stands prior to DST 1
C.T.C.H. at 3020 for 75 minutes after short trip-spot mud pill on bottom
Bit Trip at 3020 - DST 1
Deviation at 3020 - 1-1/4 degrees
Pipe Strap at 3020 - 1.07 feet short to board - NO CORRECTION
C.F.S. at 3180 for 45 minutes - Bern
Loss Circ. at (NONE)
DOWN TIME - 3020 - 11.5 hrs (11:30am-11:00pm) operations for DST 1

FORMATION TOPS, Control Wells -)

	"A"	"B"
Vincent Oil Corp.	Federal Pet., Inc.	Texas Energies, Inc.
Boyd 1-9	Chance 1	Boyd 1-10
NW SE SE	C SW SW	App. C N/2 SW
Sec. 9-T30S-R12W	Sec. 4-T30S-R12W	Sec. 10-T30S-R12W
Barber Co., KS	Barber Co., KS	Barber Co., KS
KB 1824, GL-KB 05'	KB 1875	KB 1866

Stotler	2957-1133	3004-1129 (-04)	2977-1111 (-22)
Tarkio Sand	2971-1147	3021-1146 (-01)	2990-1124 (-23)
Tarkio	3015-1191	3058-1183 (-08)	3036-1170 (-21)
Howard	3190-1366	3232-1357 (-09)	3212-1346 (-20)

Show Report 1 and DST 1 results to follow:

background gas - HW-20u, Chrom (C1-5u, C2-2u, C3-0u)
sample quality - fair to good

Kenneth M. LeBlanc, Wellsite Geologist (806-930-2014)

Daily Drilling Report, Thu. Jan. 1, 2004

** NEW YEARS DAY **

Vincent Oil Corporation

Boyd 1-9

NW SE SE, Sec. 9-T30S-R12W

Barber County, Kansas

Depth at 6:30 AM, 3956 feet, 726 feet last 24 hours, T42, ovrcst, dry,

Current Activity - drilling ahead in Lansing interval

Rig Mud Check - WT. ---, VIS ---, WL ---, at --- ft. at 00:00 AM

ENGINEERING MUD PROPERTIES at 3962 ft. for Thu. Jan. 01, 2004 at 06:30 AM

MUD-CO, INC: Brad Bortz, cell(620-793-2421), HM(620-672-1052)

Mud Wt.- 9.2+ppg Vis. - 45 sec/qt PV - 12

YP - 15 lbs/100cu/ft2 W.L. -10.4 cm3/30 min. Solids - 6.2%

CHL - 3500 PPM LCM - 0.0 lbs/bbl

Cumulative Mud Cost \$ 3,966.67 w/trucking, cost last 24 hrs, \$ 254.70

ROTARY RIG CHARACTERISTICS (Mallard JV Rig 1, 785-731-5160)

Tool Pusher: Levon Urban, Hoisington, KS (cell 785-731-5161)

Bit #2, Size: 7-7/8", Type: Reed HP52 IN at 374 feet (HOB 73-1/4 hrs)

Bit Jets - 14-14-14

W.O.B. - 35 KLBS, R.P.M. - 80 reps

P.Press. - 1100 LBS, S.P.M. - 58 STKS

MISC.

C.F.S. at 3680 for 45 minutes - Basal Oread unit

Bit Trip at (NONE)

Deviation at (NONE)

Pipe Strap at (NONE)

Loss Circ. at (NONE)

DOWN TIME - 3299 - 0.50 hrs (09:00am-09:30am) MUD PUMP - replace pony rod

3840 - 0.25 hrs (02:15am-02:30am) rod oiler stopped

FORMATION TOPS, Control Wells -)

"A"

"B"

Vincent Oil Corp.

Federal Pet., Inc.

Texas Energies, Inc.

Boyd 1-9

Chance 1

Boyd 1-10

NW SE SE

C SW SW

App. C N/2 SW

Sec. 9-T30S-R12W

Sec. 4-T30S-R12W

Sec. 10-T30S-R12W

Barber Co., KS

Barber Co., KS

Barber Co., KS

KB 1824, GL-KB 05'

KB 1875

KB 1866

Topeka 3335-1511

3364-1489 (-22)

3366-1500 (-11)

Kanwaka Shale 3533-1709

3570-1695 (-14)

3560-1694 (-15)

Oread 3615-1791

3632-1757 (-34)

3594-1728 (-63)

Heebner Shale 3707-1883

3735-1860 (-23)

3740-1874 (-09)

Douglas Shale 3731-1907

3769-1894 (-13)

3768-1902 (-05)

Brn ls 3866-2042

3896-2021 (-21)

3901-2035 (-07)

Lansing 3879-2055

3908-2033 (-22)

3914-2048 (-07)

DISPLACE MUD SYSTEM AT 3499 FEET

background gas - HW-30u, Chrom (C1-5u, C2-3u, C3-2u)

sample quality - good-excellent

Kenneth M. LeBlanc, Wellsite Geologist (806-930-2014)

Daily Drilling Report, Fri. Jan. 2, 2004

Vincent Oil Corporation
Boyd 1-9
NW SE SE, Sec. 9-T30S-R12W
Barber County, Kansas

Depth at 6:30 AM, 4185 feet, 229 feet last 24 hours, T43, ovrcst, w/sun, dry
Current Activity - 4185 - CTCH after DST 2
Rig Mud Check - WT. 9.3, VIS 45, WL 10.4, at 4185 ft. at 04:15 PM, 1-1-04

ENGINEERING MUD PROPERTIES at 3962 ft. for Thu. Jan. 01, 2004 at 06:30 AM

*** ENGINEERING MUD PROPERTIES FROM PREVIOUS DAY ***

MUD-CO, INC: Brad Bortz, cell(620-793-2421), HM(620-672-1052)
Mud Wt.- 9.2+ppg Vis. - 45 sec/qt PV - 12
YP - 15 lbs/100cu/ft2 W.L. -10.4 cm3/30 min. Solids - 6.2%
CHL - 3500 PPM LCM - 0.0 lbs/bbl
Cumulative Mud Cost \$ 3,966.67 w/trucking, cost last 24 hrs, \$ 254.70

ROTARY RIG CHARACTERISTICS (Mallard JV Rig 1, 785-731-5160)

Tool Pusher: Levon Urban, Hoisington, KS (cell 785-731-5161)
Bit #2, Size: 7-7/8", Type: Reed HP52 IN at 374 feet (HOB 81-1/4 hrs)
Bit Jets - 14-14-14
W.O.B. - 00 KLBS, R.P.M. - 45 reps
P.Press. - 1100 LBS, S.P.M. - 58 STKS

MISC.

C.F.S. at 4185 for 45 minutes - KC Swope
Bit Trip at 4185 - DST 2
C.T.C.H. at 4185 for 45 minutes after DST 2
Deviation at 4185 - NONE
Pipe Strap at (NONE)
Loss Circ. at (NONE)
DOWN TIME - 4185 - 14.50 hrs (04:00am-06:30am) operations for DST 2

FORMATION TOPS, Control Wells -)

	"A"	"B"
Vincent Oil Corp.	Federal Pet., Inc.	Texas Energies, Inc.
Boyd 1-9	Chance 1	Boyd 1-10
NW SE SE	C SW SW	App. C N/2 SW
Sec. 9-T30S-R12W	Sec. 4-T30S-R12W	Sec. 10-T30S-R12W
Barber Co., KS	Barber Co., KS	Barber Co., KS
KB 1824, GL-KB 05'	KB 1875	KB 1866
Stark Shale	4171-2347	4197-2322 (-25)
Swope porosity	4176-2352	4200-2325 (-27)
		4207-2341 (-06)
		4208-2342 (-10)

Show Report 2 and DST 2 Results to follow:

background gas - HW-25u, Chrom (C1-5u, C2-3u, C3-2u), cycling after DST 2
sample quality - good-excellent

Kenneth M. LeBlanc, Wellsite Geologist (806-930-2014)

Daily Drilling Report, Sat. Jan. 3, 2004

Vincent Oil Corporation
Boyd 1-9
NW SE SE, Sec. 9-T30S-R12W
Barber County, Kansas

Depth at 6:30 AM, 4395 feet, 10 feet last 24 hours, T32, lt clds w/sun, dry
Current Activity - drilling ahead in Kinderhook Shale
Rig Mud Check - WT. 9.3, VIS 52, WL 9.8, at 4385 ft. at 06:00 PM, 1-2-04

ENGINEERING MUD PROPERTIES at 4229 ft. for Fri. Jan. 02, 2004 at 09:00 AM

*** ENGINEERING MUD PROPERTIES FROM PREVIOUS DAY ***

MUD-CO, INC: Brad Bortz, cell(620-793-2421), HM(620-672-1052)
Mud Wt.- 9.3 ppg Vis. - 52 sec/qt PV - 15
YP - 20 lbs/100cu/ft2 W.L. - 9.6 cm3/30 min. Solids - 6.9%
CHL - 4000 PPM LCM - 0.0 lbs/bbl
Cumulative Mud Cost \$ 4,704.31 w/trucking, cost last 24 hrs, \$ 737.64

ROTARY RIG CHARACTERISTICS (Mallard JV Rig 1, 785-731-5160)

Tool Pusher: Levon Urban, Hoisington, KS (cell 785-731-5161)
Bit #2, Size: 7-7/8", Type: Reed HP52 IN at 374 feet (HOB 91-1/4 hrs)
Bit Jets - 14-14-14
W.O.B. - 35 KLBS, R.P.M. - 72 reps
P.Press. - 1100 LBS, S.P.M. - 58 STKS

MISC.

C.F.S. at 4340 for 60 minutes - Cong/Miss Chert
at 4385 for 60 minutes - Cong/Miss Chert
Bit Trip at 4385 - DST 3
Deviation at 4385 - 1 degree - dropped
Pipe Strap at (NONE)
Loss Circ. at (NONE)
DOWN TIME - 4185 - 0.50 hrs (06:30am-07:00am) operations for DST 2
4385 - 12.00 hrs (06:00pm-06:00am) operations for DST 3

FORMATION TOPS, Control Wells -)

	"A"	"B"
Vincent Oil Corp.	Federal Pet., Inc.	Texas Energies, Inc.
Boyd 1-9	Chance 1	Boyd 1-10
NW SE SE	C SW SW	App. C N/2 SW
Sec. 9-T30S-R12W	Sec. 4-T30S-R12W	Sec. 10-T30S-R12W
Barber Co., KS	Barber Co., KS	Barber Co., KS
KB 1824, GL-KB 05'	KB 1875	KB 1866
Hush Shale	4214-2390	4233-2358 (-32)
BKC	4287-2463	4245-2379 (-11)
Marmaton	4298-2474	4311-2436 (-27)
Cong/Miss Chert	4331-2507	4320-2445 (-29)
Lwr Miss. Chert	4355-2531	4328-2462 (-12)
		4356-2481 (-26)
		Absent
		4384-2509 (-22)
		4383-2517 (-14)

Show Report 3(Marm), 4(Cong Miss) & 5(Lwr Chert) w/DST 3 Results (Miss) to follow:

background gas - HW-30u, Chrom (C1-5u, C2-3u, C3-2u), cycling after DST 3
sample quality - good-excellent

Kenneth M. LeBlanc, Wellsite Geologist (806-930-2014)

Vincent Oil Corporation
Boyd 1-9
NW SE SE, Sec. 9-T30S-R12W
Barber County, Kansas

Depth at 6:30 AM, 4650 feet, 255 feet last 24 hours, T22, overcast, dry
Current Activity - 4650 - Waiting On Orders
Rig Mud Check - WT. 9.3, VIS 55, WL 9.6, at 4650 ft. at 09:30 PM, 1-3-04 f/logs

ENGINEERING MUD PROPERTIES at 4650 ft. for Sun. Jan. 04, 2004 at 06:30 AM
MUD-CO, INC: Brad Bortz, cell(620-793-2421), HM(620-672-1052)
Mud Wt.- 9.4 ppg Vis. - 52 sec/qt PV - 12
YP - 26 lbs/100cu/ft2 W.L. - 9.6 cm3/30 min. Solids - 7.5%
CHL - 4500 PPM LCM - 0.0 lbs/bbl
Cumulative Mud Cost \$ 5,961.80 w/trucking, cost last 24 hrs, \$ 225.85

ROTARY RIG CHARACTERISTICS (Mallard JV Rig 1, 785-731-5160)
Tool Pusher: Levon Urban, Hoisington, KS (cell 785-731-5161)
Bit #2, Size: 7-7/8", Type: Reed HP52 IN at 374 ft, OUT at 4650 ft (HOB 103-3/4 hrs)
Bit Jets - 14-14-14
W.O.B. - IDLE KLBS, R.P.M. - IDLE reps
P.Press. - IDLE LBS, S.P.M. - IDLE STKS

MISC.

C.F.S. at 4530 for 60 minutes - Viola
at 4650 for 90 minutes - RTD in Simpson Sand
Bit Trip at 4650 - RTD
Deviation at 4650 - 1 degree - dropped
Pipe Strap at (NONE)
Loss Circ. at (NONE)
DOWN TIME - 4650 - 3.50 hrs (09:30pm-01:00am) - preparing for elogs
4650 - 5.50 hrs (1:00am-06:30am) - ELI WIRELINE logging (2 passes)

FORMATION TOPS, Control Wells -)

	"A"	"B"
Vincent Oil Corp.	Federal Pet., Inc.	Texas Energies, Inc.
Boyd 1-9	Chance 1	Boyd 1-10
NW SE SE	C SW SW	App. C N/2 SW
Sec. 9-T30S-R12W	Sec. 4-T30S-R12W	Sec. 10-T30S-R12W
Barber Co., KS	Barber Co., KS	Barber Co., KS
KB 1824, GL-KB 05'	KB 1875	KB 1866
Kinderhook Shale 4385-2561	4429-2554 (-07)	4406-2540 (-21)
Viola 4494-2670	4525-2650 (-20)	4526-2660 (-10)
Simpson Shale 4616-2792	4642-2767 (-25)	4644-2778 (-14)
Simpson Sand 4623-2799	4647-2772 (-27)	4647-2781 (-18)
RTD 4650-2826		
LTD 4648-2834		

RTD 4650 at 9:22pm, Sat. Jan. 3, 2004, CFS 90", Dropped survey, TOOH f/logs,
ELI Wireline logging off bottom at 1:00am, finished w/2 passes over borehole at
6:00am, NO HOLE OR EQUIPMENT PROBLEMS

[light odor w/rare small shows light live oil and sparsely sptd fluor observed in
Viola dolomite interval 4510-4519, dt, NO GAS INCREASE, NO CUT, NO SHOWS OF GAS,
NO STAINING]

PLUGGING ORDERS GIVEN at 8:50am, Sunday, Jan. 4, 2004

background gas - HW-30u, Chrom (C1-5u, C2-3u, C3-2u) at RTD
sample quality - good
Kenneth M. LeBlanc, Wellsite Geologist (806-930-2014)

SHOW REPORT, NUMBER One (1)

Company: Vincent Oil Corporation Well Name: Boyd 1-9
 Location NW SE SE S 9 T 30S R 12 W, County Barber State Kansas
 Formation Tarkio Sand, Sample Quality good

Interval of Zone 2971-2977 (06), Depth w/Show 2980-3000 drlg

ROP - Before 2-2½ mpf During ½-1 mpf After 2-2½ mpf

Drlg Time 2960 - 2980 : $\frac{2\frac{1}{2}}{2} - \frac{2}{\frac{1}{2}} - \frac{1\frac{1}{2}}{\frac{1}{2}} - \frac{2}{\frac{1}{2}} - \frac{1\frac{1}{2}}{2} - \frac{1\frac{1}{2}}{1} - \frac{2\frac{1}{2}}{1\frac{1}{2}} - \frac{2}{2} - \frac{1\frac{1}{2}}{2\frac{1}{2}} - \frac{2}{2}$

GAS DETECTOR

	Before	-	During =	GAS KICK	After		During =	Gas Kick	After
Hot Wire (Methane)	<u>25 u</u>	-	<u>75 u</u>	<u>50 u</u>	<u>25 u</u>	//	<u>45 u</u>	<u>20 u</u>	<u>25 u</u>

Chromatograph

	Before	-	During =	GAS KICK	After		During =	Gas Kick	After
Methane (C1)	<u>5 u</u>	-	<u>75 u</u>	<u>50 u</u>	<u>5 u</u>	//	<u>8 u</u>	<u>8 u</u>	<u>5 u</u>
Ethane (C2)	<u>2 u</u>	-	<u>5 u</u>	<u>10 u</u>	<u>2 u</u>	//	<u>4 u</u>	<u>4 u</u>	<u>2 u</u>
Propane (C3)	<u>X u</u>	-	<u>X u</u>	<u>3 u</u>	<u>X u</u>	//	<u>X u</u>	<u>X u</u>	<u>X u</u>
Butane (IC4/NC4)	<u>u</u>	-	<u>u</u>	<u>u</u>	<u>u</u>	//	<u>u</u>	<u>u</u>	<u>u</u>
Pentane (C5)	<u>u</u>	-	<u>u</u>	<u>u</u>	<u>u</u>	//	<u>u</u>	<u>u</u>	<u>u</u>

ODOR YES? NO? light - faint - fair - strong - gassy - oily - sulphurous

FLUOR(W) YES? NO? Color: _____ (dull-fair-bright)-(sparse-spotted-even)

FLUOR(D) YES? NO? Color: _____ (dull-fair-bright)-(sparse-spotted-even)

GAS YES? NO? very - slight - small - fair - good - break - clinging

OIL YES? NO? Color: _____ (very-slight-small-fair-good)-(live-dead)

CUT YES? NO? Color: _____ thin - slow thin - slow - fair - fast - streaming

STAIN YES? NO? Color: _____ light-sparsely-spotted-heavy-even-asphaltic

POROSITY I.G.: none-poor-fair-good est por 10 %

vugs: fine-pinpoint-med-coarse est por _____ %

ool - oomold: fine-med-coarse est por _____ %

interxln: none-poor-fair-good est por _____ %

weathered - fractured

Lithologic Description:

ssst lt gry-clear w/scattered orange-tan grains, mostly med mixed w/fine grains, vp sorted, subang.-subrnd, fair and some good I.G. porosity, heavily included w/micas, glauc. and organics, small and some fair shows of gas on break, no odor, stain, cut or fluor

SPOTTED TANK OF MUD ON BOTTOM PRIOR TO DST 1

Rotary Rig Characteristics: WOB 35K, RPM 75, PP 1200#, SPM 60

Mud Properties: WT 9.9, VIS 32, WL ---, LCM 0# at 2910 ft.

for possible DST

Rig Status: CFS at 3020, Recommendation: evaluate by DST

SHOW REPORT, NUMBER TWO (2)

Company: Vincent Oil Corporation Well Name: Boyd 1-9

Location NW SE SE S 9 T 30S R 12 W, County Barber State Kansas

Formation KC Swope , Sample Quality good-excellent

Interval of Zone 4176-4184 (08) , Depth w/Show 4185 CFS 20" & 40"

ROP - Before $3\frac{1}{2}$ mpf During $\frac{1}{2}$ mpf After 3 mpf

$$\text{Drig Time } \underline{4170} - \underline{4185} : \frac{3\frac{1}{2}}{\frac{1}{2}} - \frac{2\frac{1}{2}}{\frac{1}{2}} - \frac{3}{1\frac{1}{2}} - \frac{2\frac{1}{2}}{2} - \frac{3\frac{1}{2}}{3} - \frac{2\frac{1}{2}}{X} - \frac{1\frac{1}{2}}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2}$$

GAS DETECTOR

RECYCLE

Before	-	During	=	GAS KICK	After	During	=	Gas Kick	After
--------	---	--------	---	----------	-------	--------	---	----------	-------

Hot Wire (Methane) 30 u - 105 u 75 u 35 u // 75 u 40 u X u
TOOH
F/DST 2

Chromatograph

Methane (C1)	<u>5 u</u>	-	<u>20 u</u>	<u>15 u</u>	<u>6 u</u>	//	<u>12 u</u>	<u>6 u</u>	<u>X u</u>
Ethane (C2)	<u>3 u</u>	-	<u>12 u</u>	<u>9 u</u>	<u>3 u</u>	//	<u>6 u</u>	<u>3 u</u>	<u>X u</u>
Propane (C3)	<u>1 u</u>	-	<u>4 u</u>	<u>3 u</u>	<u>1 u</u>	//	<u>2 u</u>	<u>1 u</u>	<u>X u</u>
Butane (IC4/NC4)	<u>X u</u>	-	<u>1 u</u>	<u>1 u</u>	<u>0 u</u>	//	<u>0 u</u>	<u>0 u</u>	<u>X u</u>
Pentane (C5)	<u>u</u>	-	<u>u</u>	<u>u</u>	<u>u</u>	//	<u>u</u>	<u>u</u>	<u>u</u>

ODOR YES? NO? light - faint - fair - **strong** - gassy - oily - sulphurous

FLUOR(W)	<u>YES?</u>	NO?	Color:	<u>yellow</u>	(dull-fair-bright)-(sparse-spotted-even)
FLUOR(D)	<u>YES?</u>	NO?	Color:		(dull-fair-bright)-(sparse-spotted-even)

GAS **YES?** **NO?** very - slight - small - **fair** - good - break - **clinging**

OIL YES? NO? Color: ~~clr-tan~~ (very-slight-~~small~~-fair-good)-(live-dead)

CUT YES? NO? Color: yellow thin - slow thin - slow - fair - fast - streaming

STAIN YES? NO? Color: tan light-sparsely-spotted-heavy-even-asphaltic

POROSITY I.G.: none-poor-fair-good est por ____ %
 vugs: fine-pinpoint-med-coarse est por ____ %
ool - oomold: fine-med-coarse est por 15 %
 interxln: none-poor-fair-good est por 15 %
 weathered - fractured

Lithologic Description:

ls tan fn oolitic and med oomoldic, well dev. vuggy and oomoldic porosity, recrystallized and granular texture and matrix, very dull fluor wet, none dry, fair shows of gas clinging to porosity w/small shows of tan-clear oil on break, none-weak slow yellow cut, sparsely spstd tan and lesser brn stain

Rotary Rig Characteristics: WOB 35K, RPM 80, PP 1100#, SPM 60
Mud Properties: WT 9.3, VIS 45, WL 10.4, LCM 0# at 4185 ft.
for possible DST
Rig Status: CFS at 4185 , Recommendation: evaluate by DST

SHOW REPORT, NUMBER Three (3)

Company: Vincent Oil Corporation Well Name: Boyd 1-9

Location NW SE SE S 9 T 30S R 12 W, County Barber State Kansas

Formation Marmaton Ls, Sample Quality good

Interval of Zone 4310-4320 (10), Depth w/Show 4320-4330 drlg

ROP - Before 3-3½ mpf During 3-3½ mpf After 3-3½ mpf

Drlg Time 4300 - 4330 : 3 - 2½ - 3 - 3 - 2½ - 2½ - 3 - 2½ - 2½ - 2
2½ - 2½ - 3 - 2½ - 2½ - 2½ - 3 - 3 - 2½ - 2½
2½ - 2½ - 3 - 2 - 2½ - 2½ - 2½ - 2½ - 3 - 2

GAS DETECTOR

RECYCLE

Before - During = GAS KICK After During = Gas Kick After

Hot Wire (Methane) 40 u - 145 u 105 u 45 u // 115 u 70 u 75 u

Chromatograph

Methane (C1)	<u>5 u</u> - <u>15 u</u> <u>10 u</u>	<u>5 u</u> // <u>50 u</u> <u>45 u</u> <u>12 u</u>
Ethane (C2)	<u>3 u</u> - <u>4 u</u> <u>1 u</u>	<u>3 u</u> // <u>24 u</u> <u>23 u</u> <u>6 u</u>
Propane (C3)	<u>1 u</u> - <u>2 u</u> <u>1 u</u>	<u>2 u</u> // <u>6 u</u> <u>4 u</u> <u>3 u</u>
Butane (IC4/NC4)	<u>X u</u> - <u>X u</u> <u>X u</u>	<u>X u</u> // <u>X u</u> <u>X u</u> <u>X u</u>
Pentane (C5)	<u>u</u> - <u>u</u> <u>u</u>	<u>u</u> // <u>u</u> <u>u</u> <u>u</u>

ODOR YES? NO? light - faint - fair - strong - gassy - oily - sulphurous

FLUOR(W) YES? NO? Color: _____ (dull-fair-bright)-(sparse-spotted-even)

FLUOR(D) YES? NO? Color: _____ (dull-fair-bright)-(sparse-spotted-even)

GAS YES? NO? very - slight - small - fair - good - break - clinging

OIL YES? NO? Color: _____ (very-slight-small-fair-good)-(live-dead)

CUT YES? NO? Color: _____ thin - slow thin - slow - fair - fast - streaming

STAIN YES? NO? Color: black light-sparsely-spotted-heavy-even-asphaltic

POROSITY I.G.: none-poor-fair-good est por _____ %
vugs: fine-pinpoint-med-coarse est por 3 %
 cool - oomold: fine-med-coarse est por _____ %
interxln: none-poor-fair-good est por 3 %
 weathered - fractured

Lithologic Description:

Ls tan-cream fn xln dn, scattered (1-5%) w/hvy black sptd to lesser even stain in poor to tite interxln porosity, some gas bleeding on break, no odor, fluor or cut

Rotary Rig Characteristics: WOB 35K, RPM 72, PP 1100#, SPM 58

Mud Properties: WT 9.1, VIS 53, WL 9.2, LCM 0# at 4303 ft.

for possible DST

Rig Status: drilling ahead, Recommendation: evaluate on elogs

SHOW REPORT, NUMBER Four (4)

Company: Vincent Oil Corporation Well Name: Boyd 1-9
 Location NW SE SE S 9 T 30S R 12 W, County Barber State Kansas
 Formation Miss. Cong. Chert, Sample Quality good
 Interval of Zone 4331 thru 4370, Depth w/Show 4340 CFS

ROP - Before 2½-3 mpf During 1½-2 mpf After 2½-3 mpf
 Drlg Time 4320 - 4350 : $\frac{2\frac{1}{2}}{2} - \frac{2\frac{1}{2}}{1} - \frac{3}{3\frac{1}{2}} - \frac{2}{2\frac{1}{2}} - \frac{2\frac{1}{2}}{2\frac{1}{2}} - \frac{2\frac{1}{2}}{3} - \frac{2\frac{1}{2}}{2} - \frac{2\frac{1}{2}}{2} - \frac{3}{2\frac{1}{2}} - \frac{2}{2}$
 $\frac{2}{1} - \frac{1\frac{1}{2}}{2} - \frac{2}{3\frac{1}{2}} - \frac{2}{2\frac{1}{2}} - \frac{2}{2\frac{1}{2}} - \frac{1\frac{1}{2}}{3} - \frac{2}{3} - \frac{2}{2} - \frac{1}{2\frac{1}{2}} - \frac{2}{3}$

GAS DETECTOR

	Before	-	During = GAS KICK	After	RECYCLE	During = Gas Kick	After
Hot Wire (Methane)	<u>45 u</u>	-	<u>150 u</u>	<u>105 u</u>	<u>80 u</u> //	<u>150 u</u>	<u>70 u</u>
<u>Chromatograph</u>							
Methane (C1)	<u>5 u</u>	-	<u>45 u</u>	<u>40 u</u>	<u>15 u</u> //	<u>30 u</u>	<u>15 u</u>
Ethane (C2)	<u>3 u</u>	-	<u>20 u</u>	<u>17 u</u>	<u>7 u</u> //	<u>12 u</u>	<u>5 u</u>
Propane (C3)	<u>1 u</u>	-	<u>6 u</u>	<u>5 u</u>	<u>2 u</u> //	<u>4 u</u>	<u>2 u</u>
Butane (IC4/NC4)	<u>X u</u>	-	<u>X u</u>	<u>X u</u>	<u>X u</u> //	<u>X u</u>	<u>X u</u>
Pentane (C5)	<u>u</u>	-	<u>u</u>	<u>u</u>	<u>u</u> //	<u>u</u>	<u>u</u>

ODOR YES? NO? light - faint - fair - strong - gassy - oily - sulphurous

FLUOR(W) YES? NO? Color: blue (dull-fair-bright)-(sparse-spotted-even)

FLUOR(D) YES? NO? Color: (dull-fair-bright)-(sparse-spotted-even)

GAS YES? NO? very - slight - small - fair - good - break - clinging

OIL YES? NO? Color: (very-slight-small-fair-good)-(live-dead)

CUT YES? NO? Color: thin - slow thin - slow - fair - fast - streaming

STAIN YES? NO? Color: black light-sparsely-spotted-heavy-even-asphaltic

<u>POROSITY</u> I.G.: none-poor-fair-good	est por	<u> </u> %
vugs: fine-pinpoint-med-coarse	est por	<u> </u> %
ool - oomold: fine-med-coarse	est por	<u> </u> %
interxln: none-poor-fair-good	est por	<u> </u> %
<u>weathered - fractured</u>	est por	<u>15</u> %

Lithologic Description:

chert lt gry to lt blue and white to cream, fresh, subopaque, w/heavy black sptd staining in weathering exhibiting good shows of gas bleeding from porosity, equal chert cream-tan subopaque and opaque, fresh, sharp, blocky w/coarse tan replaced porosity, grainy infill, some opaque, brittle w/vuggy porosity

Rotary Rig Characteristics: WOB 35K, RPM 72, PP 1100#, SPM 60

Mud Properties: WT 9.3, VIS 53, WL 9.8, LCM 0# at 4385 ft.

for possible DST

Rig Status: CFS at 4340, Recommendation: drill thru LWR Miss
Chert then DST

SHOW REPORT, NUMBER Five (5)Company: Vincent Oil Corporation Well Name: Boyd 1-9Location NW SE SE S 9 T 30S R 12 W, County Barber State KansasFormation LWR Miss. Chert, Sample Quality goodInterval of Zone 4331 thru 4370, Depth w/Show 4370-4380 drlgROP - Before 3 mpf During 1-1 1/2 mpf After 2 1/2-3 mpfDrlg Time 4350 - 4370 : 2 1/2 - 2 1/2 - 2 1/2 - 2 1/2 - 2 1/2 - 2 - 1 - 1 1/2 - 1 - 1 1/2
1 - 1 1/2 - 1 - 1 1/2 - 1 - 1 1/2 - 1 1/2 - 2 - 3 - 2GAS DETECTORBefore - During = GAS KICK After RECYCLE
During = Gas Kick AfterHot Wire (Methane) 70 u - 130 u 60 u 70 u // 130 u 60 u X uChromatograph

								<u>TOOH</u>	
								<u>W/DST 3</u>	
Methane (C1)	<u>10 u</u>	-	<u>20 u</u>	<u>10 u</u>	<u>10 u</u>	//	<u>20 u</u>	<u>10 u</u>	<u>X u</u>
Ethane (C2)	<u>5 u</u>	-	<u>8 u</u>	<u>3 u</u>	<u>5 u</u>	//	<u>8 u</u>	<u>3 u</u>	<u>X u</u>
Propane (C3)	<u>3 u</u>	-	<u>4 u</u>	<u>1 u</u>	<u>3 u</u>	//	<u>4 u</u>	<u>1 u</u>	<u>X u</u>
Butane (IC4/NC4)	<u>X u</u>	-	<u>X u</u>	<u>X u</u>	<u>X u</u>	//	<u>X u</u>	<u>X u</u>	<u>X u</u>
Pentane (C5)	<u>u</u>	-	<u>u</u>	<u>u</u>	<u>u</u>	//	<u>u</u>	<u>u</u>	<u>u</u>

ODOR YES? NO? light - faint - fair - strong - gassy - oily - sulphurousFLUOR(W) YES? NO? Color: blue (dull-fair-bright)-(sparse-spotted-even)FLUOR(D) YES? NO? Color: (dull-fair-bright)-(sparse-spotted-even)GAS YES? NO? very - slight - small - fair - good - break - clingingOIL YES? NO? Color: clr-tan (very-slight-small-fair-good)-(live-dead)CUT YES? NO? Color: thin - slow thin - slow - fair - fast - streamingSTAIN YES? NO? Color: black light-sparsely-spotted-heavy-even-asphaltic

<u>POROSITY</u> I.G.: none-poor-fair-good	est por	<u> </u> %
vugs: fine-pinpoint-med-coarse	est por	<u> </u> %
ool - oomold: fine-med-coarse	est por	<u> </u> %
interxln: none-poor-fair-good	est por	<u> </u> %
<u>weathered - fractured</u>	est por	<u>20</u> %

Lithologic Description:

light odor

chert gry and tan fresh, subopaque-translucent, sharp, some fractured, very dull blue, sptd fluor w/rare shows clear-tan live oil

Rotary Rig Characteristics: WOB 35K, RPM 72, PP 1100#, SPM 60Mud Properties: WT 9.3, VIS 53, WL 9.8, LCM 0# at 4385 ft.

for possible DST

Rig Status: CFS at 4385, Recommendation: evaluate by DST

Vincent Oil Corporation
Boyd 1-9
NW SE SE
Sec. 9-T30S-R12W
Barber County, Kansas

December 29, 2003

The following descriptions were made independent of drilling time and represent an interpretation of each sample saved during the course of the above referenced well.

- 2700-2720 ls cream and tan fn and med xln, highly fossilif, scattered shales
2720-2740 ls cream and tan fn xln dn-weathered, scattered med xln grades to weathered and fossilif
2740-2760 ls lt gry-white and tan fn and med xln-weathered, highly fossilif, traces oomoldic ls, shales 15%, gry
2760-2780 ls lt gry-white and tan fn and med xln-weathered, highly fossilif, traces oomoldic ls, shales 15%, gry
2780-2800 ls cream and tan fn and lesser med xln, vsl oolitic, fossil frags thru-out, shales 20%, gry
2800-2820 ls 65%, tan and cream fn and lesser med xln, grainy in part, vsl (Indian oolitic, sst 25%, lt gry-gry vfn grain, heavily included w/micas (lt Cave SD) and dk) and organics, well sorted, subangular-angular, friable, no shows, NO GAS INCREASE, shales 20%, lt green, waxy to dk gry and blk
2820-2840 ls cream to tan fn xln dn, smooth, shales 25%, dk gry, gry to blk, no sst
2840-2860 ls cream to tan fn xln dn, smooth, shales 25%, dk gry, gry to blk, no sst
2860-2880 ls white and tan fn xln dn, vsl oolitic and fossilif, weathered, shales dk gry 20%+
2880-2900 shales 60%, lt gry and gry, silty and micac., ls tan and cream fn xln dn grades to chalky ls
2900-2920 shales 85%, lt gry and gry, silty and micac., ls tan and cream fn xln dn grades to chalky ls
2920-2940 shales 80%, dk gry, gry-blk, lt green, silty in part, ls 20%, tan fn xln, some chalk laced
2940-2960 shales 80%, dk gry, gry-blk, lt green, silty in part, ls 20%, tan fn xln, some chalk laced
2960-2980 shales gry, lt green, pyritic, some silty, ls 40%, tan-cream and lesser white fn xln dn, some chalky

2980-3000 ls 50%, tan-cream fn xln dn, some vsl included, sst 35%, gry to clear, (Tarkio Sand) occ. orange to tan grains, mostly med grain mixed w/lesser fn grain, subrnd-subangular, very poorly sorted, heavily included w/micas, glauc. and organics, fair and some good I.G. porosity, small to fair shows of gas on break, NO ODOR, FLUOR, CUT OR STAIN, shales 15%+, gry, dk gry HW-50u, Chrom (C1-10u, C2-3u, C3-0u), recycled at HW-20u, Chrom (C1-3u, C2-2u, C3-0u)

3000-3020 ls tan-brn fn xln dn, few med xln, w/scattered chalky ls, shales 15%+, gry, lt green
3020 C.F.S. 20" ls tan-brn fn xln dn, w/scattered chalky ls, shales 15%, green, dk gry

3020 C.F.S. 45" ls tan-brn fn xln dn, w/scattered chalky ls, shales 15%, green, dk gry

DID NOT CTCH AFTER DST 1

- 3020-3040 shales lt gry, gry, some silty and micac., ls 25%, tan-brn fn xln dn, few chalky
- 3040-3060 ls cream-white fn xln dn to chalky, shales 25%, dk gry, gry
- 3060-3080 shales 90%, gry, dk gry, gritty, silty, gry-green, ls cream-tan fn xln to chalky
- 3080-3100 ls white lesser cream fn xln and chalky, some fn and med round clasts, shales 20%+, gry, dk gry
- 3100-3120 ls lt gry-cream fn xln, grainy, gritty, slightly included w/organic matter, shales 10%+, gry
- 3120-3140 ls white and cream-tan fn xln w/assoc. chalkier ls, scattered shales
- 3140-3160 ls white and cream-tan fn xln w/assoc. chalkier ls, scattered shales
- 3160-3180 ls cream-tan fn xln dn, few ls cream-tan vfn oolitic in part, poorly dev., shales 10%+, gry
- 3180 C.F.S. 20" ls cream-tan fn xln dn, w/chalkier ls, scattered coarse clear calcite, scattered fine vugs
- 3180 C.F.S. 45" ls cream-tan fn xln dn, w/chalkier ls, scattered coarse clear calcite, scattered fine vugs
- 3180-3200 ls cream-tan fn xln dn, small amts of chalk and chalky ls, shales 15%+, gry
- 3200-3220 ls tan-brn fn and med xln, vsl oolitic, shales 20%, gry, some lt green (Howard) to green
- 3220-3240 ls lt gry fn xln w/vuggy porosity, some oomoldic and oolitic grades to chalky ls, sparse shales
- 3240-3260 ls tan and lt gry fn xln w/scattered vuggy porosity grades to med oolitic, scattered chalk
- 3260-3280 ls tan and cream-lt gry fn xln dn, lesser med to coarsely oolitic, chalky, shales 5%, gry
- 3280-3300 ls tan-brn fn xln dn, sparse vugs, scattered chalky ls, shales 5%, gry
- 3300-3320 ls tan-brn fn xln dn, sparse vugs, scattered chalky ls, shales 5%, gry
- 3320-3340 shales 50%, lt gry and dk gry (lt & dk micac, silty), some lt green, ls tan-brn fn xln dn
- 3340-3360 shales 50%, lt gry and dk gry (lt & dk micac, silty), some lt green, ls tan-brn fn xln dn
- 3360-3380 ls brn and tan fn xln dn, some weathered, shales 10%, gry
- 3380-3400 ls tan-brn fn xln dn w/assoc. chalky ls and ls tan fn-med oomoldic to vuggy porosity, sparsely oolitic, scattered clear calcite
- 3400-3420 ls tan-brn fn xln dn w/assoc. chalky ls and ls tan fn-med oomoldic to vuggy porosity, sparsely oolitic, scattered clear calcite
- 3420-3440 ls tan-brn fn xln dn, some grainy, w/assoc. clear-milky calcite thru-out, chalky ls 20%
- 3440-3460 ls cream and tan fn and med oomoldic and oolitic, good oomoldic and vuggy and interxln porosity, sparse shales
- 3460-3480 ls cream and tan fn and med oomoldic and oolitic, good oomoldic and vuggy and interxln porosity, sparse shales
- 3480-3500 ls tan and cream fn and med xln, clear calcite overgrowths, poorly dev.

oolitic and oomoldic w/vuggy porosity

DISPLACE MUD SYSTEM AT 3499

- 3500-3520 ls tan-brn fn and med xln grades to chalky ls, shales 20%, gry, 25%, loose coarse round-subang. qtz w/orange tint
- 3520-3540 ls cream-tan fn xln-suboolitic and fossilif w/veiny calcite, shales 25%, blk, carb.
- 3540-3560 ls cream-tan med xln, some w/milky calcite inclusions and chalky, shales 15%, gry, striated, blk 5%, carb.
- 3560-3580 ls cream-tan med xln, some w/milky calcite inclusions and chalky, shales 40%, gry, striated, blk 5%, carb.
- 3580-3600 shales lt gry, silty, gritty and micac., scattered organics, ls 20%, tan to brn fn xln dn grades to weathered
- 3600-3620 shales 100%, lt gry, lesser gry, gritty, micac. w/scattered organics
- 3620-3640 shales 75%, lt gry, lesser gry, gritty, micac. w/scattered organics, ls 25%, dk brn to dk gry fn xln, slightly pyritic and fossilif
- 3640-3660 ls dk brn and brn fn xln dn, slightly grainy w/embedded fossil frags, shales 30%, lt gry, silty, micac. and sandy, lt green, pyritic
- 3660-3680 ls brn-dk brn fn and med xln, some w/clear calcite infill, lesser ls white fn xln-fn oolitic, chalky, shales 20%, dk gry to blk
- 3680 C.F.S. 20% ls brn-dk brn fn and med xln, some w/clear calcite infill, (Oread) lesser ls white fn xln-fn oolitic, chalky, shales 20%, dk gry to blk
- 3680 C.F.S. 45" ls brn-dk brn fn and med xln, some w/clear calcite infill, lesser ls white fn xln-fn oolitic, chalky, shales 20%, dk gry to blk
- 3680-3700 ls brn fn and med xln, w/vuggy porosity and calcite inclusions, shales 40%, gry, silty and micac., scattered blk
- 3700-3720 shales 70%, blk, carb. 30% and dk gry to lt gry, silty, ls 30%, dk brn fn xln, fossil
- 3720-3740 shales dk gry, gritty, silty, micac., scattered pyritic, blk 10%, ls 20%, dk brn fn xln dn w/spar matrix, lesser ls cream fn xln
- 3740-3760 ls white and cream fn xln, some granular, vsl oolitic, shales 30%, gry, silty, blk 10%
- 3760-3780 ls lt gry to tan mixed fn xln, slightly oolitic grades to chalky ls, shales 20%, dk gry, gry
- 3780-3800 NO SAMPLE
- 3800-3820 ls lt gry to tan mixed fn xln, slightly oolitic grades to chalky ls, (Douglas shales 20%, dk gry, gry, sst 40%, lt gry w/tan tint vfn-fn grain, Sand) angular, well sorted, included w/micas, glauc. and organics, poor I.G. porosity, some with attached shales
- 3820-3840 shales gry, dk gry, brittle, some silty and micac., sparse sst 1-2%
- 3820-3860 shales gry, dk gry, brittle, some silty and micac., sparse sst 1-2%
- 3860-3880 shales gry, dk gry, brittle, some silty and micac., sparse sst 1-2%
- 3880-3900 ls 80%, tan-dk brn fn xln dn, rare poorly dev. oolitic, shales 20%, gry, lt green
- 3900-3910 ls lt gry-tan fn and med oolitic-fossil dn matrix, pr dev. to med xln, shales 10%, gry
- 3910-3920 ls tan-cream fn xln dn, some vsl oolitic, few med xln, shales 10%, lt lt gry, some green
- 3920-3930 ls lt gry-tan fn xln dn, some pr dev. oolitic ls to med xln, silty and

- micac., few green, shales gry, some blk 5%
- 3930-3940 ls cream-tan fn xln dn, lesser weathered, some chalky, traces of chert blue fresh, subopaque, shales 20%, gry, flat gry
- 3940-3950 ls cream-tan fn xln dn, lesser weathered, some chalky, traces of chert blue fresh, subopaque, shales 20%, gry, flat gry
- 3950-3960 ls cream-tan fn xln dn, smooth, sparse shales
- 3960-3970 ls cream-tan fn xln dn, smooth w/scattered chert lt blue, fresh, subopaque, sparse shales
- 3970-3980 ls cream-tan fn xln dn, smooth w/scattered chert lt blue, fresh, subopaque, sparse shales
- 3980-3990 ls cream-tan fn xln, weathered, scattered fossilif, chert gry and lt gry, fresh, opaque, fossilif, shales 10%, gry
- 3990-4000 ls cream-tan fn xln, weathered, scattered fossilif, chert gry and lt gry, fresh, opaque, fossilif, shales 10%, gry
- 4000-4010 ls brn fn xln dn, lesser weathered, some med xln
- 4010-4020 ls cream-tan fn xln to weathered, some poor dev. oolitic ls, chert 10%, lt gry, fresh, subopaque, sparse shales
- 4020-4030 ls cream-tan fn xln-weathered, some med xln, sparse chert lt gry, fresh, subopaque, fossilif
- 4030-4040 faint to flash odor, ls cream-tan fn and med xln, vp dev. oolitic to fn and med oolitic, ringed, 5% w/sptd fluor, no shows oil or gas, shales blk 5%
- 4040-4050 very faint odor, ls cream-tan fn and med xln, vp dev. oolitic to fn and med oolitic, ringed, 5% w/sptd fluor, no shows oil or gas, shales blk 5%
- 4050-4060 ls cream-tan fn xln, weathered-chalky, small amts med xln-vp dev. oolitic ls
- 4060-4070 ls cream-tan fn xln, weathered-chalky, small amts med xln-vp dev. oolitic ls
- 4070-4080 ls cream-tan fn xln dn, equally weathered to chalky
- 4080-4090 ls cream-tan fn xln dn, equally weathered to chalky w/chert lt gry-gry, fresh, subopaque, fossilif 10%
- 4090-4100 ls cream-tan fn xln dn, equally weathered to chalky w/chert lt gry-gry, fresh, subopaque, fossilif 10%
- 4100-4110 ls tan-cream fn and med oomoldic grainy matrix to vp dev. oolitic w/ls (Drum) 10%, tan-brn fn-med oomoldic, lesser ls tan-cream fn xln, weathered, small amts of chert lt gry-white, fresh, opaque
- 4110-4120 ls cream-tan fn xln-weathered and chalky, sparse chert thru-out
- 4120-4130 faint to fair odor, ls tan-cream fn xln dn, chert 15%, brn and lt gry mixed, fresh, subopaque, sharp
- 4130-4140 faint to fair odor, ls tan-cream fn xln dn, chert 15%, brn and lt gry mixed, fresh, subopaque, sharp
- 4140-4150 ls brn and tan fn xln dn-weathered, lesser ls tan fn-med oomoldic
- 4150-4160 ls cream-tan fn xln dn to weathered, shales 5%, gry
- 4160-4170 ls gry and tan fn xln dn to weathered, scattered chert lt gry-gry, fresh, (Dennis) subopaque-opaque, ls white and cream med oolitic, ringed, fossilif thru-out
- 4170-4180 ls cream-tan fn xln dn-weathered, scattered chert lt gry, gry, fresh, opaque and subopaque, sparse shales
- 4180-4185 ls cream-tan fn xln dn-weathered, scattered chert lt gry, gry, fresh, opaque

and subopaque, sparse shales

4185 C.F.S. 20" very strong odor, ls tan fn oolitic and med oomoldic, well dev. vugs (Swope) and oomold porosity, rextalized in part, very dull fluor wet, fair shows of gas clinging to porosity w/tan-clear oil on break, none-very weak slow yellow cut. sparsely sptd tan and lesser brn stain
HW-74u, Chrom (C1-15u, C2-9u, C3-3u, C4- $\frac{1}{2}$ u), recycled at
HW-40u, Chrom (C1-6u, C2-3u, C3-1u)

4185 C.F.S. 45" very strong odor, ls tan fn oolitic and med oomoldic, coarse vugs (Swope) and oomold porosity, rextalized in part, very dull fluor wet, fair shows of gas clinging to porosity w/tan-clear oil on break, none-very weak slow yellow cut. sparsely sptd tan and lesser brn stain

- 4185-4200 ls tan-brn fn xln dn, scattered ls tan oomoldic and oolitic
4200-4210 ls tan-dk brn fn xln dn, some pyritic, shales 10%, green, gry-green, dk gry, pyritic
4210-4220 ls tan-dk brn fn xln dn, some pyritic, shales 10%, green, gry-green, dk gry, pyritic
4220-4230 flash odor, ls dk brn-brn fn xln dn, smooth equal ls cream fn and med oolitic, chalky, chert 20%, gry-blue and brn, fresh, med oolitic, opaque, some fossilif
4230-4240 ls dk brn-brn fn xln dn, smooth, scattered chert brn, fresh, subopaque
4240-4250 ls cream thru brn fn xln dn, scattered chert brn and tan-gry, fresh, opaque to subopaque
4250-4260 ls cream-tan fn xln dn equally weathered, chert 10%, lt blue-lt gry, fresh, subopaque, fossilif
4260-4270 ls tan-brn fn xln dn, smooth, lesser ls cream fn oolitic and fossilif, scattered chert lt gry to brn, fresh, subopaque
4270-4280 ls cream-tan fn oolitic, weathered w/ls tan-brn fn xln dn, smooth, hard, scattered chert brn and gry, fresh, opaque-subopaque
4280-4290 ls cream-tan and dk brn fn xln dn, lesser weathered, scattered chert, lt gry, fresh, subopaque, sharp
4290-4300 ls cream-tan and dk brn fn xln dn, lesser weathered, scattered chert, lt gry, fresh, subopaque, sharp
4300-4310 ls cream-tan and dk brn fn xln dn, lesser weathered, scattered chert, lt gry, fresh, subopaque, sharp
4310-4320 ls tan-brn fn xln dn, equally weathered, sparse chert lt gry-tan fresh, subopaque, shales 10%, gry, dk gry
4320-4330 ls tan-cream fn xln dn, scattered pcs. 1-2% heavy black residual stain (Marm) in poor-tite in interxln porosity, some bleeding gas on break, no cut, no odor, no fluor, no shows of oil
4330-4340 ls tan-cream fn xln dn, scattered pcs. 1-2% heavy black residual stain (Marm) in poor-tite in interxln porosity, some bleeding on break, no cut, no odor, no fluor, no shows of oil
HW-105u, Chrom (C1-10u, C2-1u, C3-1u), recycled at
HW-70u, Chrom (C1-45u, C2-23u, C3-4u)
4340 C.F.S. 20" ls tan-brn fn xln dn, w/heavy dk brn-blk residual sptd stain in

- poor to tite interxln porosity, scattered chert 5%, lt gry, milky, subopaque, fresh, blk heavy residual stain, bleeding good shows of gas from weathering, no cut
- 4340 C.F.S. 40" ls tan-brn fn xln dn, w/heavy dk brn-blk residual sptd stain in poor to tite interxln porosity, scattered chert 5%, lt gry, milky, subopaque, fresh, blk heavy residual stain, bleeding good shows of gas from weathering, no cut
- 4340 C.F.S. 60" ls tan-brn fn xln dn, chert 40%, lt-gry, lt blue and white to (Miss/Cg cream subopaque, w/heavy blk sptd to even stain in weathering exhibiting Chert) good shows of gas bleeding from porosity equal chert cream to tan fresh, sharp, subopaque w/coarse tan replaced some, opaque, brittle w/vuggy porosity
HW-105u, Chrom (C1-40u, C2-17u, C3-5u), recycled at
HW-70u, Chrom (C1-15u, C2-5u, C3-2u)
- 4340-4350 ls tan-brn fn xln dn, w/chert 25%, lt gry-cream fresh, subopaque-opaque, scattered residual stain 5%+, some w/good shows of gas bleeding from from porosity
- 4350-4360 ls tan and brn fn xln equal chert white and lt gry fresh, opaque, w/hvy sptd to some even blk residual stain in vuggy, weathered and fossilcast porosity, fair and good shows of gas bleeding from porosity, no shows oil sptd dull blue fluor wet, no odor
- 4360-4370 ls tan and brn fn xln equal chert white and lt gry fresh, opaque, w/hvy sptd to some even blk residual stain in vuggy, weathered and fossilcast porosity, fair and good shows of gas bleeding from porosity, no shows oil sptd dull blue fluor wet, no odor
- 4370-4380 chert 80%, lt gry and tan, fresh, subopaque-translucent, sharp, some (LWR Miss fractured, lesser chert white, opaque, weathered w/blk heavy sptd stain Chert) small-fair shows of gas bleeding to porosity, very dull sparsely sptd blue fluor, rare shows of light of oil, ls 20%, tan-brn fn xln dn
HW-60u, Chrom (C1-10u, C2-3u, C3-1u), recycled at
HW-60u, Chrom (C1-10u, C2-3u, C3-1u)
- 4385 C.F.S. 30" ls 70%, brn and tan fn xln dn, chert lt gry-lt blue, fresh, subop. to translucent, sharp, some fractured
- 4385 C.F.S. 60" ls 70%, brn and tan fn xln dn, chert lt gry-lt blue, fresh, subop. to translucent, sharp, some fractured
- DID NOT CTCH AFTER DST 3
- 4385-4390 shales dk gry, gry to blk, scattered chert lt gry-tan, fresh, subopaque, sharp
- 4390-4400 ls brn-tan med xln and fn-med oolitic, chert 25%, lt gry to tan, fresh, subopaque, shales 40%, gry, dk gry, green
- 4400-4410 ls brn-tan med xln and fn-med oolitic, chert 25%, lt gry to tan, fresh,

- subopaque, shales 40%, gry, dk gry, green
- 4410-4420 ls cream-tan fn xln dn w/chert 20%, lt gry to gry and tan, fresh, subopaque, sharp, shales 40%, lt green, waxy and dk gry to blk
- 4420-4430 ls cream-tan fn xln dn w/chert 20%, lt gry to gry and tan, fresh, subop., sharp, shales 40%, lt green, waxy and dk gry to blk
- 4430-4440 ls 70%, tan-brn fn xln dn, chert 20%, tan-lt gry, fresh, subopaque, shales 10%+, gry w/lt green
- 4440-4450 ls 60%, tan-brn fn xln dn w/chert lt gry to tan, fresh, subopaque, shales 20%, dk gry, lesser blk
- 4450-4460 ls 60%, tan-brn fn xln dn w/chert lt gry to tan, fresh, subopaque, shales 20%, dk gry, lesser blk

Clean sample trough!!

- 4460-4470 shales 85%, gry, dk green w/spores, smooth some brn, ls 15%, tan-brn fn xln dn,
- 4470-4480 shales lt green, hard, calc. to dolomite shales lt green, ls 15%, tan-brn fn xln dn w/assoc. chert lt gry-tan fresh, subopaque
- 4480-4490 shales 100%, gry-green, gry, flakey, dolomitic to dolomite dk green, green
- 4490-4500 shales 100%, gry-green, gry, flakey, dolomitic to dolomite dk green, green
- 4500-4510 shales 100%, gry-green, gry, flakey, dolomitic to dolomite dk green, green
- 4510-4520 shales 90%, green, dk green, dolomitic, flakey to dolomite dk green fn xln, (Viola) ls 10%, tan-cream fn xln dn, rare med xln
- 4520-4530 light odor, ls lt gry fn and med xln, chalky ls w/dolomite lt gry fn and (Viola) med xln, subopaque app., sparsely sptd dull yellow fluor wet in poor to fair interxln porosity, very small shows of light live oil, no shows of gas, no fluor dry, no stain, shales 40%, green, dk green, dolomitic and dolomite, dk green, gry, fn xln
NO GAS INCREASE
- 4530 C.F.S. 30" light odor, ls lt gry fn and med xln, chalky ls w/dolomite lt gry fn and med xln, subopaque app., sparsely sptd dull yellow fluor wet in poor to fair interxln porosity, very small shows of light live oil, no shows of gas, no fluor dry, no stain, shales 40%, green, dk green, dolomitic and dolomite, dk green, gry, fn xln
NO GAS INCREASE
- 4530 C.F.S. 60" ls brn fn xln dn, lesser ls lt gry med xln, chert 20%, lt gry to tan, fresh, subopaque, shales 25%, dk gry, dk green, dolomitic, no shows
- 4530-4540 ls lt gry fn and med xln w/dolomite lt gry, subopaque app. fn xln, no shows, chert tan-cream and lt gry, fresh, subopaque w/ls tan-brn fn xln, shales 40%, dk gry-gry, dk green, dolomitic, some lt green, waxy
- 4540-4550 ls white and lt gry fn and med xln, sparse dolomite mixed w/chert lt gry to white, fresh, subopaque, sharp, lesser chalk 10%, shales 10%, gry, dk gry
- 4550-4560 ls white and lt gry fn and med xln, sparse dolomite mixed w/chert lt gry to white, fresh, subopaque, sharp, lesser chalk 10%, shales 10%, gry, dk gry
- 4560-4570 ls tan-brn lesser cream fn xln dn, chert lt gry-white, fresh, opaque and

- subopaque, sharp, spicular, some weathered, shales 5%, gry
- 4570-4580 ls tan-brn lesser cream fn xln dn, chert lt gry-white, fresh, opaque and subopaque, sharp, spicular, some weathered, shales 5%, gry
- 4580-4590 ls tan-brn fn xln dn, equal amts chert lt gry to white and tan, fresh, opaque to subopaque, spicular and included w/organics
- 4590-4600 ls tan-brn fn xln dn, equal amts chert lt gry to white and tan, fresh, opaque to subopaque, spicular and included w/organics
- 4600-4610 ls tan-brn lesser cream fn xln dn, chert lt gry to tan, fresh, subopaque to translucent, sharp, lesser spicular and included, few weathered, no shows
- 4610-4620 ls tan-brn lesser cream fn xln dn, chert lt gry to tan, fresh, subopaque to translucent, sharp, lesser spicular and included, few weathered, no shows
- 4620-4630 ls tan-brn lesser cream fn xln dn, scattered ls cream-lt gry med xln, chert lt gry to tan, fresh, subopaque to translucent, sharp, lesser spicular and included, few weathered, no shows
- 4630-4640 ls tan-brn lesser cream fn xln dn, scattered ls cream-lt gry med xln, chert lt gry to tan, fresh, subopaque to translucent, sharp, lesser spicular and included, few weathered, no shows
- 4640-4650 ls tan-brn lesser cream fn xln dn, scattered ls cream-lt gry med xln, (Simpson chert lt gry to tan, fresh, subopaque to translucent, sharp, lesser Sand) spicular and included, few weathered, no shows, sst 10%, gry-clear, med and lesser coarse grain clusters, round w/organics, poorly sorted, good I.G. porosity, loose qtz, subang. and rnd thru-out
- 4650 C.F.S. 30" ls tan-brn lesser cream fn xln dn, scattered ls cream-lt gry med xln, chert lt gry to tan, fresh, subopaque to translucent, sharp, lesser spicular and included, few weathered, no shows, sst 10%, gry-clear, med and lesser coarse grain clusters, round w/organics, poorly sorted, good I.G. porosity, loose qtz, subang. and rnd thru-out
- 4650 C.F.S. 60" ls dk brn and equal cream fn xln, chert lt gry-lt blue and tan, fresh, opaque, and subopaque, spicular, sharp, sst 10%, shales 15%, gry, gry-green, green

Submitted by Kenneth M. LeBlanc, Petroleum Geologist, January 4, 2004

Vincent Oil Corporation
 Boyd 1-9
 NW SE SE
 Sec. 9-T30S-R12W
 Barber County, Kansas

December 29, 2003

One (1) foot drill time from 1950 feet to R.T.D.
 -- denotes missing drill time

1950-1960		1-1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2
1960-1980	2-2-3-1 $\frac{1}{2}$ -2-2-2-2-2-1 $\frac{1}{2}$	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$
1980-2000	1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$	2-2-1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1-2-1
2000-2020	1 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1-1-1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2020-2040	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$	1-1-1-1-1-1-1-2-1-2
2040-2060	2-1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$
2060-2080	1 $\frac{1}{2}$ -2-2-2-2-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2	2 $\frac{1}{2}$ -2-2-2 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1
2080-2100	1-1-1-2-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ -1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2-2
2100-2120	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-2
2120-2140	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1 $\frac{1}{2}$	2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1-1
2140-2160	1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1	1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$
2160-2180	1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$	1-1-2-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$
2180-2200	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2200-2220	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1-1-1-1-1 $\frac{1}{2}$	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$
2220-2240	1-1-1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1
2240-2260	1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1
2260-2280	1-1-1-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$
2280-2300	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1-1-1-1-1-1	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2300-2320	1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	1 $\frac{1}{2}$ -1-1-1- $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1
2320-2340	1-1-1-1-1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1	1-1-1-1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2340-2360	2-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1	1 $\frac{1}{2}$ -1-1-1-1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2360-2380	1-1-2-2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2380-2400	1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2
2400-2420	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -2-2-2-2-2
2420-2440	2-1 $\frac{1}{2}$ -1-1-3-2-2-1-2-2 $\frac{1}{2}$	1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2440-2460	2 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -2-2-2-2-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$	2-2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2
2460-2480	2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2-2-2-2-2-2 $\frac{1}{2}$ -2	2-2-2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1
2480-2500	2-2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2	2-1- $\frac{1}{2}$ -1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1
2500-2520	1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1-2-1 $\frac{1}{2}$ -2	1 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -2-1-1-1-1-1
2520-2540	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2	1 $\frac{1}{2}$ -2-2-2-2-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2540-2560	1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	2-1 $\frac{1}{2}$ -2-2-2-2-2-2-2-2
2560-2580	2-2-2-2-2-2-2 $\frac{1}{2}$ -2-2-2	2-2-1 $\frac{1}{2}$ -2-2-2-2-2-2-2
2580-2600	1 $\frac{1}{2}$ -2-2-2-1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$	1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2-2-1
2600-2620	1-1-2-2-2-2-2-2-1-1	1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2-2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2620-2640	1-1 $\frac{1}{2}$ -2-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2	2-2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -1- $\frac{1}{2}$ -1
2640-2660	1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1-1-1-1- $\frac{1}{2}$ -1-1	$\frac{1}{2}$ -1-1-1- $\frac{1}{2}$ -1- $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$
2660-2680	1 $\frac{1}{2}$ -2-2-2 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2	2-2-2-2-2-2-2-2-2-1
2680-2700	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2-2-2 $\frac{1}{2}$	2-2-2-2 $\frac{1}{2}$ -2-2-1 $\frac{1}{2}$ -3-2-2 $\frac{1}{2}$
2700-2720	2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2-2	2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1
2720-2740	2 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1	3-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2
2740-2760	3-2-2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -3-2-1-1 $\frac{1}{2}$ -1	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$
2760-2780	2 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2	2 $\frac{1}{2}$ -2-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1
2780-2800	2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1	1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1 $\frac{1}{2}$

2800-2820 $1\frac{1}{2}-1-1-1\frac{1}{2}-2-2-2-2\frac{1}{2}-2-2$
2820-2840 $1-2\frac{1}{2}-1\frac{1}{2}-2-2-2\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-2\frac{1}{2}$
2840-2860 $2-2-2\frac{1}{2}-2-2-2\frac{1}{2}-2-2-2\frac{1}{2}-2\frac{1}{2}$
2860-2880 $2-2-2-2\frac{1}{2}-2\frac{1}{2}-2-2\frac{1}{2}-2-2\frac{1}{2}-2\frac{1}{2}$
2880-2900 $2-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-2-1\frac{1}{2}-2-2-2$
2900-2920 $1-1-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2\frac{1}{2}-2-1-1\frac{1}{2}-1\frac{1}{2}$
2920-2940 $2-2-2-2-2-2-2-2-2-2$
2940-2960 $1-1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-2$
2960-2980 $2\frac{1}{2}-2-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-2\frac{1}{2}-2-1\frac{1}{2}-2$
2980-3000 $2-1\frac{1}{2}-1\frac{1}{2}-2\frac{1}{2}-2-2\frac{1}{2}-2\frac{1}{2}-2-2\frac{1}{2}-2\frac{1}{2}$
3000-3020 $2\frac{1}{2}-2-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}-1\frac{1}{2}$
3020-3040 $2-2-3-3-2-2-2-2-2-2$
3040-3060 $2\frac{1}{2}-3-2\frac{1}{2}-3\frac{1}{2}-2\frac{1}{2}-3-2\frac{1}{2}-3-2\frac{1}{2}-2\frac{1}{2}$
3060-3080 $2-2-2-2-2-2-2\frac{1}{2}-2-2-2$
3080-3100 $2-2-1\frac{1}{2}-2-2-1\frac{1}{2}-2-2-2$
3100-3120 $2-1\frac{1}{2}-1\frac{1}{2}-2-2-2-2-2-1\frac{1}{2}-1\frac{1}{2}$
3120-3140 $2-2-2-1\frac{1}{2}-2-2-2-1\frac{1}{2}-2\frac{1}{2}-1\frac{1}{2}$
3140-3160 $2-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-2-1\frac{1}{2}-2-1-1\frac{1}{2}$
3160-3180 $1-1\frac{1}{2}-1\frac{1}{2}-1-1-1-1-1-\frac{1}{2}-\frac{1}{2}$
3180-3200 $1\frac{1}{2}-1-1-1-1-1-1-1-1-1\frac{1}{2}$
3200-3220 $1-1-1-1-1-1-\frac{1}{2}-1-1-1$
3220-3240 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1-1-1\frac{1}{2}-2-2-1-1$
3240-3260 $1\frac{1}{2}-1-1-1-2-1\frac{1}{2}-1-1-1\frac{1}{2}-1$
3260-3280 $2\frac{1}{2}-2\frac{1}{2}-2-1\frac{1}{2}-1-1-1\frac{1}{2}-2\frac{1}{2}-2-2$
3280-3300 $2\frac{1}{2}-2-2-2-2-2-2-2-2-2$
3300-3320 $1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
3320-3340 $1-1\frac{1}{2}-1-1\frac{1}{2}-1-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
3340-3360 $1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1-1$
3360-3380 $2-2-1\frac{1}{2}-1\frac{1}{2}-2-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
3380-3400 $1\frac{1}{2}-1-1-1-1-1-1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}$
3400-3420 $1-1-1-1-1-1-1-2-2-1\frac{1}{2}$
3420-3440 $\frac{1}{2}-1\frac{1}{2}-\frac{1}{2}-1-1-1-1-1-\frac{1}{2}-\frac{1}{2}$
3440-3460 $\frac{1}{2}-\frac{1}{2}-1-1-1-1-\frac{1}{2}-1\frac{1}{2}-1-1$
3460-3480 $\frac{1}{2}-\frac{1}{2}-1-1-1-1-1-1-\frac{1}{2}-\frac{1}{2}$
3480-3500 $2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-3-3-2\frac{1}{2}-3-3$
3500-3520 $2-1-2-2\frac{1}{2}-1\frac{1}{2}-2-2-2-1-2$
3520-3540 $2-1-1\frac{1}{2}-1-1-2-2-1\frac{1}{2}-1-1\frac{1}{2}$
3540-3560 $1\frac{1}{2}-1-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}-1-1$
3560-3580 $1-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-1-1-1-1-\frac{1}{2}-1$
3580-3600 $1-\frac{1}{2}-1-1-1-1\frac{1}{2}-1-1-1\frac{1}{2}-1$
3600-3620 $1\frac{1}{2}-1-1-1-1-1-1\frac{1}{2}-1-1-\frac{1}{2}$
3620-3640 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2-2\frac{1}{2}-2-2-2-2-2$
3640-3660 $2-1\frac{1}{2}-2-2-2-1\frac{1}{2}-1\frac{1}{2}-1-1-1$
3660-3680 $1-1-1-1-\frac{1}{2}-1-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2$
3680-3700 $2-2-1-1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}-1-1-1$
3700-3720 $3-3-2\frac{1}{2}-1\frac{1}{2}-2-1-1\frac{1}{2}-1-1-1$
3720-3740 $2-2\frac{1}{2}-2-2\frac{1}{2}-1\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-3-3-3$
3740-3760 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1-1-1\frac{1}{2}-1-1-1\frac{1}{2}$
3760-3780 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
3780-3800 $1\frac{1}{2}-1-1-1\frac{1}{2}-1-1\frac{1}{2}-1-1-1-1$

$2-1\frac{1}{2}-1\frac{1}{2}-2-2-1\frac{1}{2}-1\frac{1}{2}-1-1\frac{1}{2}-1\frac{1}{2}$
 $1\frac{1}{2}-2-1\frac{1}{2}-2-2\frac{1}{2}-2-2-2\frac{1}{2}-2$
 $2-2-2-2\frac{1}{2}-2\frac{1}{2}-3-3-2-2-2$
 $2-2\frac{1}{2}-2-2\frac{1}{2}-1\frac{1}{2}-2\frac{1}{2}-2-1\frac{1}{2}-1-2$
 $2-2-2-2-2-2-2-2-1\frac{1}{2}-1\frac{1}{2}$
 $1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-2-2-2-1\frac{1}{2}-2-2$
 $2-2-2-2-2-2-2-2-2-2-2$
 $1\frac{1}{2}-1\frac{1}{2}-1-1-1\frac{1}{2}-1\frac{1}{2}-2-2\frac{1}{2}-2\frac{1}{2}-2$
 $2-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-2-1-1\frac{1}{2}-2-2\frac{1}{2}-2$
 $2-2-2\frac{1}{2}-2-2\frac{1}{2}-2-2\frac{1}{2}-2-2\frac{1}{2}-3$
 $1-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-2-2$
 $2-2-2\frac{1}{2}-2-2\frac{1}{2}-2-2-2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}$
 $2-2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-2-2-2-2-2-2\frac{1}{2}$
 $2\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2-2-2-2\frac{1}{2}-2-2-2$
 $2\frac{1}{2}-2-1\frac{1}{2}-2-2-2\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2$
 $1-1\frac{1}{2}-1-1\frac{1}{2}-2-1\frac{1}{2}-2-2-2-2$
 $1-1-1-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-2-2-1\frac{1}{2}$
 $1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}$
 $1-1-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-1-1-1-1-2\frac{1}{2}$
 $2-1\frac{1}{2}-1-2-2-2-2-2\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
 $1-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-1-1-1-1\frac{1}{2}$
 $1\frac{1}{2}-1\frac{1}{2}-1-1-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}$
 $1\frac{1}{2}-2-2-2-1-1\frac{1}{2}-1-1\frac{1}{2}-2-2$
 $2-2-2-2-2-1\frac{1}{2}-2-2-2-2$
 $2-2-2-2-2-2-2-2-2-1-1$
 $1\frac{1}{2}-1\frac{1}{2}-1-1-1-1-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
 $1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-2-2-2-1\frac{1}{2}-1\frac{1}{2}$
 $1-1\frac{1}{2}-1-1-2-2-2-2-2-2$
 $1\frac{1}{2}-1-1-1-1-1\frac{1}{2}-1-1-1-1$
 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1-1-1-1-1-1-1$
 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1-1-1-1\frac{1}{2}-1-1$
 $1-1-1-1-1-1-1-1-1-\frac{1}{2}-\frac{1}{2}$
 $1-1-1-\frac{1}{2}-\frac{1}{2}-1-1-1-1-1-1$
 $1-1-1\frac{1}{2}-2\frac{1}{2}-3-2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-3$
 $2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-2-2\frac{1}{2}-2\frac{1}{2}-2-3-2\frac{1}{2}-2$
 $2-2-2-2\frac{1}{2}-2-2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-2-2$
 $1\frac{1}{2}-1-1\frac{1}{2}-2-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
 $1-1-1-1-\frac{1}{2}-1-1-1-1-1\frac{1}{2}-1$
 $\frac{1}{2}-1\frac{1}{2}-\frac{1}{2}-1-1\frac{1}{2}-1-1-1-\frac{1}{2}-1\frac{1}{2}$
 $1-1-1-2-1-1-1-1-1-1\frac{1}{2}$
 $1-1-1-1-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
 $2-2\frac{1}{2}-1-1-1\frac{1}{2}-1\frac{1}{2}-2-2-2-2$
 $2\frac{1}{2}-2\frac{1}{2}-2\frac{1}{2}-1\frac{1}{2}-2-2-1\frac{1}{2}-2-1-1$
 $2-2\frac{1}{2}-2\frac{1}{2}-2-2-2\frac{1}{2}-2-2\frac{1}{2}-3-2\frac{1}{2}$
 $\frac{1}{2}-1-1-2\frac{1}{2}-2\frac{1}{2}-3-1-1-2\frac{1}{2}-3$
 $1-1-2-2-2\frac{1}{2}-3-1\frac{1}{2}-1\frac{1}{2}-2-2\frac{1}{2}$
 $3-2-2\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}$
 $1-1\frac{1}{2}-1\frac{1}{2}-1-1-1\frac{1}{2}-1\frac{1}{2}-1-1-1\frac{1}{2}$
 $2-2\frac{1}{2}-2-2-2-2-2\frac{1}{2}-2\frac{1}{2}-2-2$
 $1\frac{1}{2}-1-1-1\frac{1}{2}-2-1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}-2-1\frac{1}{2}$

3800-3820 2-2-2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
 3820-3840 2-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2
 3840-3860 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1 $\frac{1}{2}$
 3860-3880 2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2
 3880-3900 2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-3-2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$
 3900-3920 2-2-2-2-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2-2
 3920-3940 2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
 3940-3960 2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$
 3960-3980 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2-2-2
 3980-4000 3-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-3-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$
 4000-4020 1-2-1-1-1-1-1-1-1-1 $\frac{1}{2}$
 4020-4040 3-2 $\frac{1}{2}$ -2-2-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -2
 4040-4060 1-2 $\frac{1}{2}$ -1-2 $\frac{1}{2}$ -3-2-2-2-1-1
 4060-4080 1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-2
 4080-4100 2-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -2 $\frac{1}{2}$
 4100-4120 3-3-3-3-3-3-3-3-2 $\frac{1}{2}$
 4120-4140 3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2
 4140-4160 1 $\frac{1}{2}$ -1-1-1-2-3-2 $\frac{1}{2}$ -2-3 $\frac{1}{2}$
 4160-4180 3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -4 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$
 4180-4200 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$
 4200-4220 1 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3 $\frac{1}{2}$ -4-2 $\frac{1}{2}$ -3-3 $\frac{1}{2}$ -3-2 $\frac{1}{2}$
 4220-4240 3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3 $\frac{1}{2}$ -4-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -4
 4240-4260 3-3-3-3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$
 4260-4280 3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3-3-3-3
 4280-4300 3-3-3-3-3-3-2-2 $\frac{1}{2}$ -2
 4300-4320 3-2 $\frac{1}{2}$ -3-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2
 4320-4340 2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2
 4340-4360 1-2-3 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2-2 $\frac{1}{2}$ -3
 4360-4380 1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-3-3
 4380-4400 4-3-3 $\frac{1}{2}$ -4-4-2 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -4
 4400-4420 3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -4
 4420-4440 2 $\frac{1}{2}$ -3-3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3-3-3-3
 4440-4460 3-3-3-3-3-3-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$
 4460-4480 2-2-2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$
 4480-4500 3-2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2-2-2-2-2-2
 4500-4520 3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$
 4520-4540 4-2-3-3 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3 $\frac{1}{2}$
 4540-4560 3-3-3-3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3 $\frac{1}{2}$ -3-4
 4560-4580 2 $\frac{1}{2}$ -3-3-2 $\frac{1}{2}$ -3-4-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3 $\frac{1}{2}$
 4580-4600 2 $\frac{1}{2}$ -3-3-2 $\frac{1}{2}$ -4-4-4-4-3 $\frac{1}{2}$ -3 $\frac{1}{2}$
 4600-4620 3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3-3-3 $\frac{1}{2}$ -3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3
 4620-4640 4-3-3-5-5-4-4-5-4 $\frac{1}{2}$ -2
 4640-4650 3 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -3-2-3-1 RTD 4650

2-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2
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DST 1) 2960-3020 (Tarkio Sand)

TIMES: 30-45-30-45

1st open: weak blow building to 1 inch in bucket
(NO BLOWBACK)

2nd open: weak surface blow after 5 minutes, FLUSHED TOOL - weak surface blow
(NO BLOWBACK)

REC: NO GAS IN PIPE
90' Water Cut Mud (40% water, 60% mud)
90' TOTAL FLUID

resistivity of formation water: 0.2 @ 60 deg F
chlorides of formation water: 40,000 ppm - filtrate
chlorides of mud system: 85,000 ppm

Alpine
(electronic recorders)

IHYD: 1487	psi
IFP: 17-31	psi
IBHP: 911	psi
FFP: 36-74	psi
FBHP: 730	psi
FHYD: 1481	psi

TEMP: 99 degrees

Tester: Darren Amerine, Trilobite Testing, Inc., Pratt, Kansas

Note: conventional DST (dual packers, safety joint, electronic recorders,
circulating sub)

NO bottom sampler or jars



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation.

Boyd #1-9

125 N. Market suite 1075
Wichita, Ks. 67202

9-30S-12W

Job Ticket: 18731

DST#: 1

ATTN: Ken LaBlanc

Test Start: 2003.12.30 @ 15:26:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	WCM 40% water 60% mud	0.443

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 0.2@60°F=40000



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vincent Oil Corporation.

Boyd #1-9

125 N. Market suite 1075
Wichita, Ks. 67202

9-30S-12W

Job Ticket: 18731

DST#: 1

ATTN: Ken LaBlanc

Test Start: 2003.12.30 @ 15:26:34

Tool Information

Drill Pipe:	Length: 2716.68 ft	Diameter: 3.80 inches	Volume: 38.11 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 247.32 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 39.33 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	2960.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2937.00	
Shut In Tool	5.00			2942.00	
Hydraulic tool	5.00			2947.00	
Safety Joint	3.00			2950.00	
Packer	5.00			2955.00	24.00 Bottom Of Top Packer
Packer	5.00			2960.00	
Stubb	2.00			2962.00	
Recorder	0.00	6625	Inside	2962.00	
Anchor	23.00			2985.00	
Blank Spacing	31.00			3016.00	
Recorder	0.00	13769	Outside	3016.00	
Bullnose	4.00			3020.00	60.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vincent Oil Corporation.

125 N. Market suite 1075
Wichita, Ks. 67202

ATTN: Ken LaBlanc

Boyd #1-9

9-30S-12W

Job Ticket: 18731

DST#: 1

Test Start: 2003.12.30 @ 15:26:34

GENERAL INFORMATION:

Formation: Tarkio Sd.
Deviated: No Whipstock ft (KB)

Time Tool Opened: 17:28:19

Time Test Ended: 21:37:49

Interval: 2960.00 ft (KB) To 3020.00 ft (KB) (TVD)

Total Depth: 3020.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Reference Elevations: 1824.00 ft (KB)

1819.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Press@RunDepth: 73.82 psig @ ft (KB)

Start Date: 2003.12.30

End Date:

2003.12.30

Start Time: 15:26:34

End Time:

21:37:49

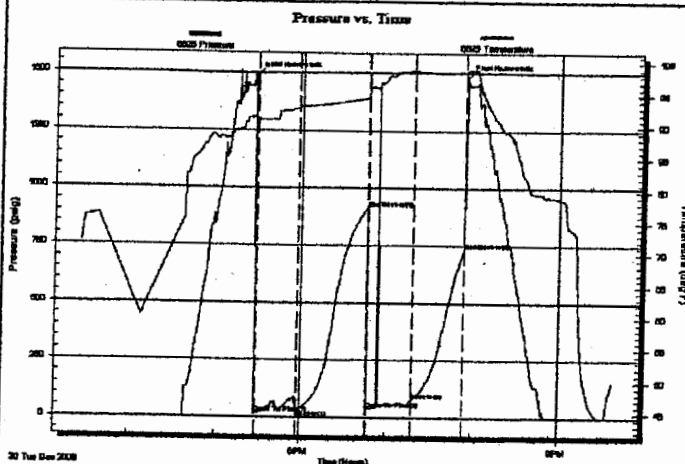
Capacity: 7000.00 psig

Last Calib.: 2003.12.30

Time On Btm: 2003.12.30 @ 17:26:49

Time Off Btm: 2003.12.30 @ 19:55:04

TEST COMMENT: IF: Weak blow built to 1" in H₂O bucket.
IS: Bled down for 5 mins. No blow back.
FF: Weak surface blow wait 5 mins. flush tool same blow.
FS: Bled down for 5 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1486.96	91.60	Initial Hydro-static
2	17.00	91.27	Open To Flow (1)
31	30.93	93.15	Shut-In (1)
80	911.45	94.49	End Shut-In (1)
81	35.81	96.03	Open To Flow (2)
112	73.82	98.76	Shut-In (2)
148	729.74	98.50	End Shut-In (2)
149	1480.93	98.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	WCM 40% water 60% mud	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)
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TriLOBITE Testing, Inc

Ref. No: 18731

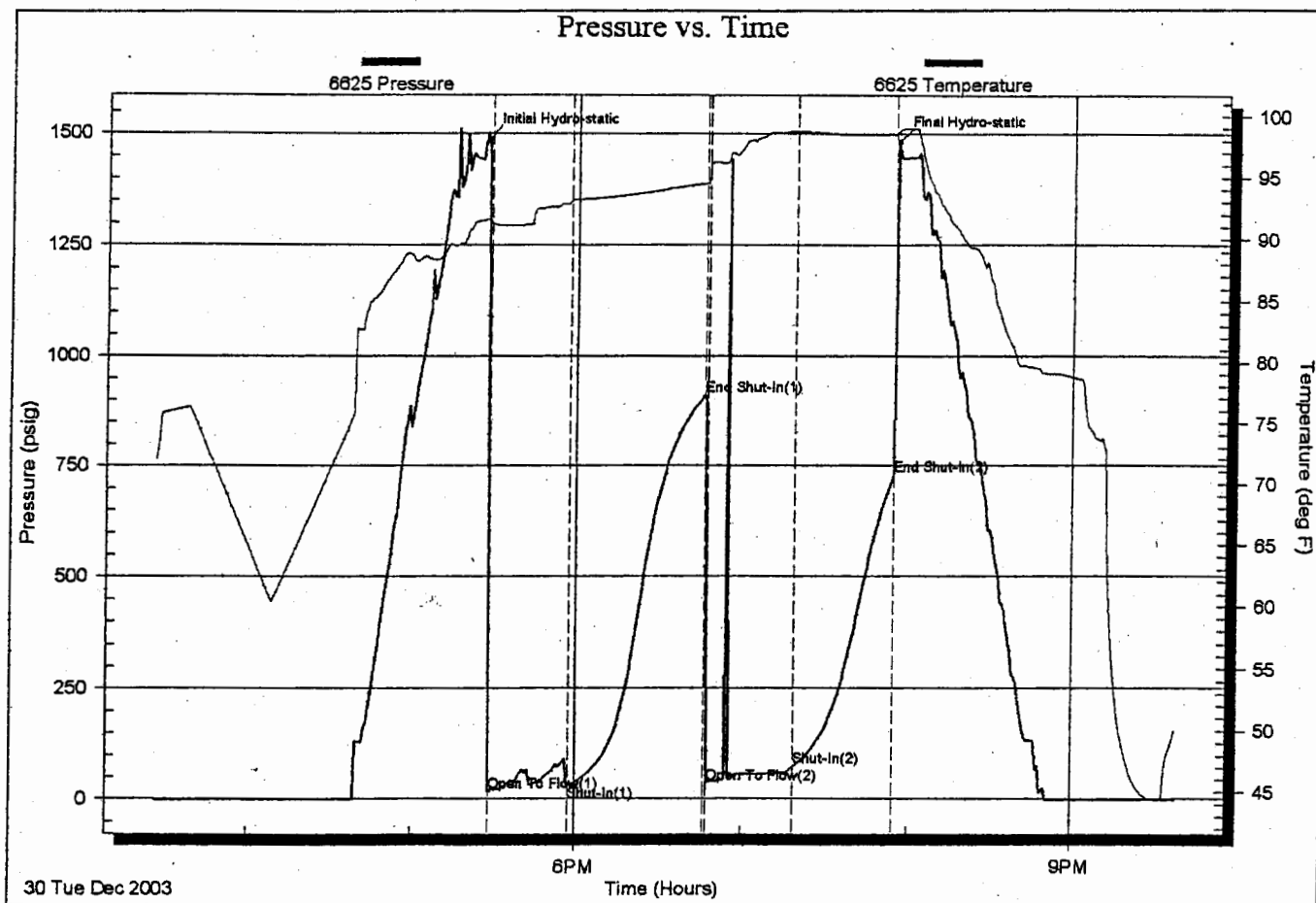
Printed: 2003.12.30 @ 21:58:12 Page 2

Serial #: 6625

Vincent Oil Corporation.

9-30S-12W

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 18731

Printed: 2003.12.30 @ 21:58:14 Page 5

DST 2) 4160-4185 (KC Swope)

TIMES: 30-60-60-90

1st open: fair blow OBOB in 2-1/4 minutes, NO GAS TO SURFACE
(1-1/2 inch blowback)

2nd open: fair blow OBOB in 5 minutes, NO GAS TO SURFACE
(1-1/4 inch blowback)

REC: 620' Gas in Pipe

120' Slightly Gas & Oil Cut Muddy Water
(4% gas, 6% oil, 50% water, 40% mud)

660' Saltwater
(100% water)

780' TOTAL FLUID

resistivity of formation water: 0.4 @ 70 deg F
chlorides of formation water: 150,000 ppm
chlorides of mud system: 3,500 ppm

Alpine
(electronic recorders)

IHYD: 2086	psi
IFP: 49-195	psi
IBHP: 1512	psi
FFP: 207-359	psi
FBHP: 1500	psi
FHYD: 2010	psi

TEMP: 132 degrees

Tester: Darren Amerine, Trilobite Testing, Inc., Pratt, Kansas

Note: conventional DST (dual packers, safety joint, electronic recorders,
circulating sub)

NO bottom sampler or jars



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation.

125 N. Market suite 1075
Wichita, Ks. 67202

ATTN: Ken LaBlanc

Boyd #1-9

9-30S-12W

Job Ticket: 18732

DST#: 2

Test Start: 2004.01.01 @ 19:16:34

GENERAL INFORMATION:

Formation: KC-Swope

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:19:27

Time Test Ended: 08:57:12

Interval: 4160.00 ft (KB) To 4185.00 ft (KB) (TVD)

Total Depth: 4185.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Darren L. Amrine

Unit No: 19

Reference Elevations: 1824.00 ft (KB)

1819.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8625

Press@RunDepth: 359.37 psig @ ft (KB)

Start Date: 2004.01.01

End Date:

2004.01.02

Start Time: 19:16:34

End Time:

04:00:12

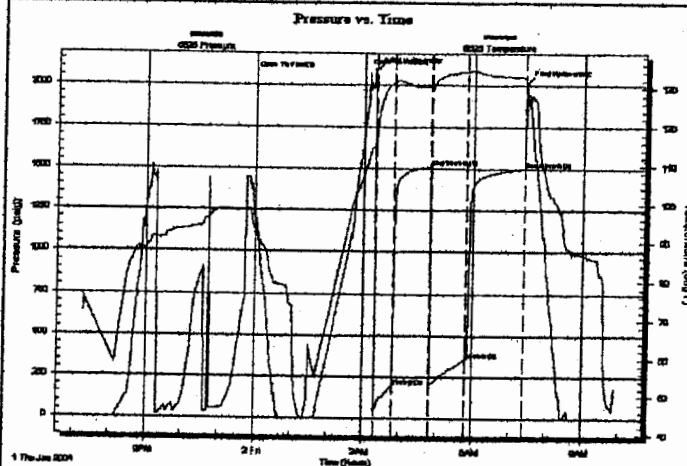
Capacity: 7000.00 psig

Last Calib.: 2004.01.02

Time On Btm: 2004.01.02 @ 03:17:42

Time Off Btm: 2004.01.02 @ 07:24:57

TEST COMMENT: IF: Fair blow built to b.o.b in 2 mins. 18 sec.
IS: Bled down for 5 mins. built back to 1-1/2" in H2O bucket.
FF: Fair blow built to b.o.b in 3-1/2 mins
FS: Bled down for 5 mins. built back to 1/2" in H2O



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.54	115.23	Initial Hydro-static
2	48.97	116.76	Open To Flow (1)
32	195.29	131.50	Shut-In (1)
93	1511.99	130.23	End Shut-In (1)
95	206.75	129.70	Open To Flow (2)
151	359.37	134.12	Shut-In (2)
246	1499.80	132.69	End Shut-In (2)
248	2010.29	130.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	620' of gip	0.00
660.00	salt water	7.01
120.00	SG&OCMW 4% gas 6% oil 50% water 40% 1.68	

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vincent Oil Corporation.

Boyd #1-8

125 N. Market suite 1075
Wichita, Ks. 67202

9-30S-12W

Job Ticket: 18732

DST#: 2

ATTN: Ken LaBlanc

Test Start: 2004.01.01 @ 19:16:34

Tool Information

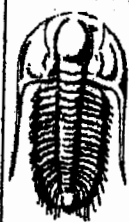
Drill Pipe:	Length: 3891.68 ft	Diameter: 3.80 inches	Volume: 54.59 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 247.32 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 55.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4160.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4137.00	
Shut in Tool	5.00			4142.00	
Hydraulic tool	5.00			4147.00	
Safety Joint	3.00			4150.00	
Packer	5.00			4155.00	24.00 Bottom Of Top Packer
Packer	5.00			4160.00	
Stubb	2.00			4162.00	
Recorder	0.00	6625	Inside	4162.00	
Anchor	20.00			4182.00	
Recorder	0.00	10991	Outside	4182.00	
Bullnose	3.00			4185.00	25.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation.

Boyd #1-9

125 N. Market suite 1075
Wichita, Ks. 67202

9-30S-12W

Job Ticket: 18732

DST#: 2

ATTN: Ken LaBlanc

Test Start: 2004.01.01 @ 19:16:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 3500.00 ppm

Filter Cake: 0.32 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	620' of gip	0.000
660.00	salt water	7.005
120.00	SG&OCMW 4% gas 6% oil 50% water 40% muc	1.683

Total Length: 780.00 ft

Total Volume: 8.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

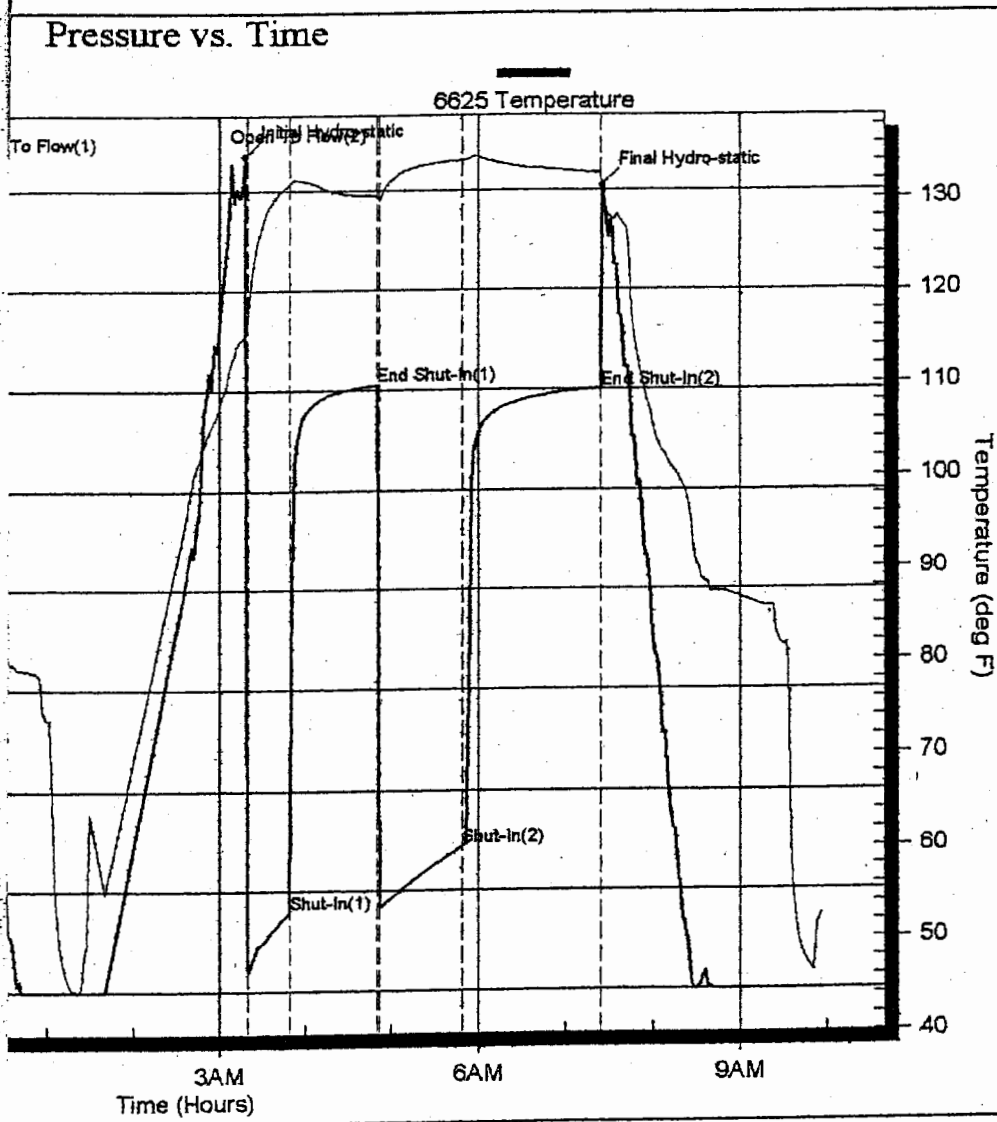
Laboratory Name:

Laboratory Location:

Recovery Comments: .04 @ 70' = 150000

9-30S-12W

DST Test Number: 2



Printed: 2004.01.02 @ 04:14:13 Page 5

DST 3) 4328-4385 (Miss./Cong. Chert)

TIMES: 30-60-45-90

1st open: fair blow built to 11 inches in bucke, NO GAS TO SURFACE
(NO BLOWBACK)

2nd open: fair blow built to 6 inches in bucket, NO GAS TO SURFACE
(NO BLOWBACK)

REC: 1400' Gas in Pipe
30' Very Slightly Gas Cut Mud)
(8% gas, 92% mud)

30' TOTAL FLUID

Alpine
(electronic recorders)

IHYD: 2187	psi
IFP: 17-25	psi
IBHP: 150	psi
FFP: 18-40	psi
FBHP: 155	psi
FHYD: 2150	psi

TEMP: 122 degrees

Tester: Darren Amerine, Trilobite Testing, Inc., Pratt, Kansas

Note: conventional DST (dual packers, safety joint, electronic recorders,
circulating sub)
NO bottom sampler or jars



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vincent Oil Corporation.

Boyd #1-8

125 N. Market suite 1075
Wichita, Ks. 67202

9-30S-12W

Job Ticket: 18733

DST#: 3

ATTN: Ken LaBlanc

Test Start: 2004.01.02 @ 20:20:53

Tool Information

Drill Pipe:	Length: 4077.68 ft	Diameter: 3.80 inches	Volume: 57.20 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 247.32 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 58.42 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4328.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4305.00	
Shut In Tool	5.00			4310.00	
Hydraulic tool	5.00			4315.00	
Safety Joint	3.00			4318.00	
Packer	5.00			4323.00	24.00 Bottom Of Top Packer
Packer	5.00			4328.00	
Stubb	2.00			4330.00	
Recorder	0.00	8625	Inside	4330.00	
Anchor	22.00			4352.00	
Blank Spacing	30.00			4382.00	
Recorder	0.00	10991	Outside	4382.00	
Bullnose	3.00			4385.00	57.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation.

125 N. Market suite 1075
Wichita, Ks. 67202

ATTN: Ken LaBlanc

Boyd #1-9

9-30S-12W

Job Ticket: 18733

DST#: 3

Test Start: 2004.01.02 @ 20:20:53

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock ft (KB)

Time Tool Opened: 22:30:38

Time Test Ended: 04:05:08

Interval: 4328.00 ft (KB) To 4385.00 ft (KB) (TVD)

Total Depth: 4385.00 ft (KB) (TVD)

Hole Diameter: 7.88 Inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Darren L. Amrine

Unit No: 19

Reference Elevations: 1824.00 ft (KB)

1819.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Press @ Run Depth: 40.10 psig @ ft (KB)

Start Date: 2004.01.02

End Date:

2004.01.03

Start Time: 20:20:53

End Time:

04:05:08

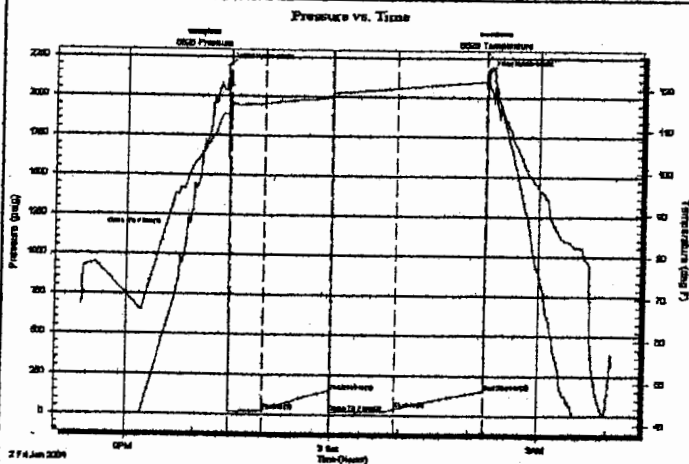
Capacity: 7000.00 psig

Last Calib.: 2004.01.03

Time On Btm: 2004.01.02 @ 22:28:08

Time Off Btm: 2004.01.03 @ 02:14:38

TEST COMMENT: IF: Fair blow built to 11" in H₂O bucket.
IS: Bled down for 2 mins. no blow back.
FF: Fair blow built to 6" in H₂O bucket.
FS: Bled down for 5 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.26	113.79	Initial Hydro-static
3	16.85	115.52	Open To Flow (1)
32	24.52	118.27	Shut-In(1)
91	150.19	117.81	End Shut-In(1)
92	17.73	118.48	Open To Flow (2)
148	40.10	120.20	Shut-In(2)
226	154.66	121.86	End Shut-In(2)
227	2149.77	124.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1400' of gip	0.00
30.00	VSGCM 8% gas 92% mud	0.15

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent CE, Corporation

Wyo 8110

125 N. Market suite 1075
Wichita, Ks. 67202

9-30S-12W

Job Ticket: 18733

DST#: 3

ATTN: Ken LaBlanc

Test Start: 2004.01.02 @ 20:20:53

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.80 in³

Resistivity: 1.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.32 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1400' of gip	0.000
30.00	VSGCM 8% gas 92% mud	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

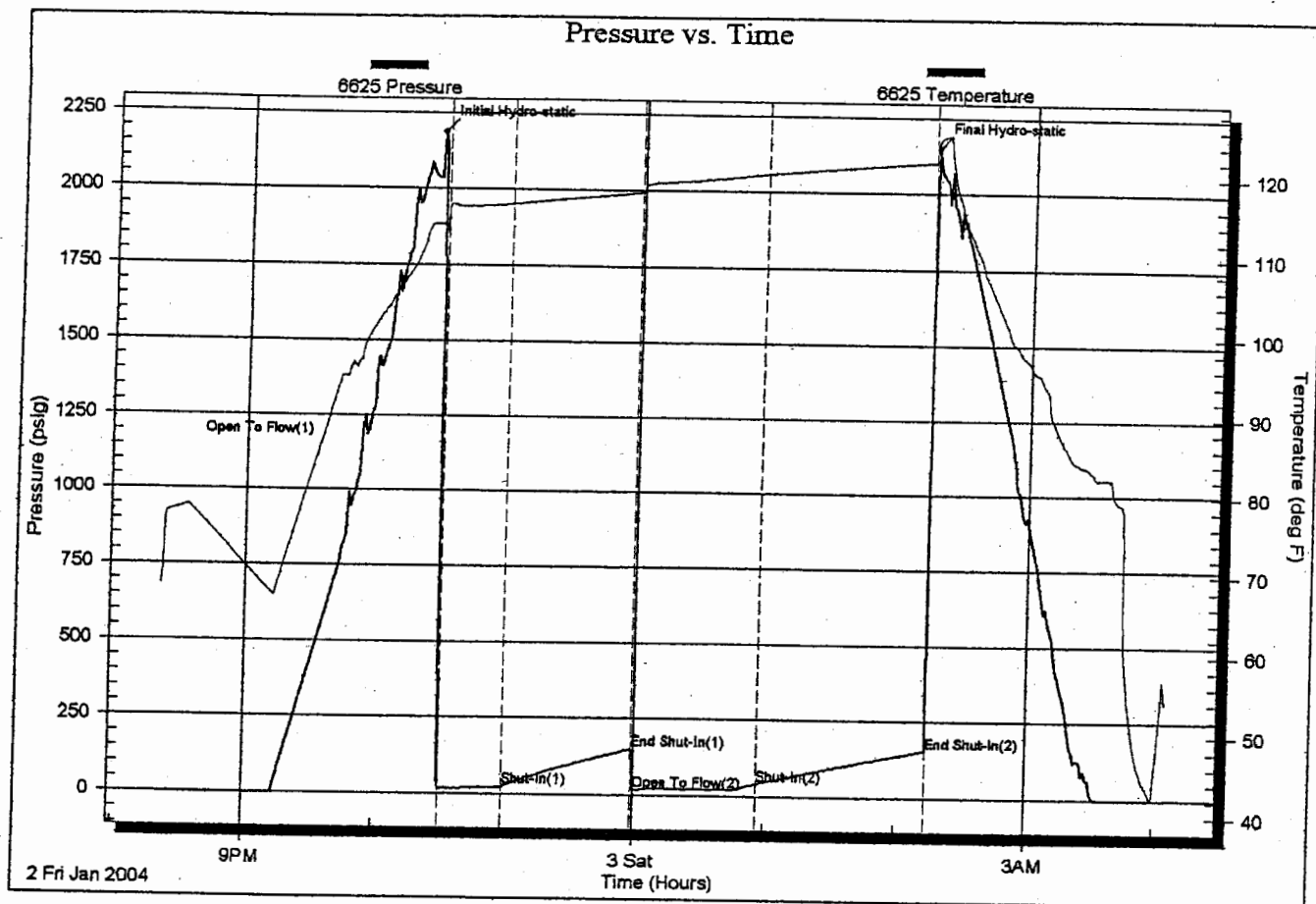
Recovery Comments:

Serial #: 6625

Vincent Oil Corporation.

8-308-12W

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 18733

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