

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL** Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 33640  
Name: Haas Petroleum, LLC  
Address: 800 West 47th Street, Suite #409  
City/State/Zip: Kansas City, MO 64112  
Purchaser: Plains Marketing, L.P.  
Operator Contact Person: Mark Haas  
Phone: (816) 531.5922  
Contractor: Name: Skyy Drilling, LLC  
License: 33557  
Wellsite Geologist: David Griffin, RG.

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

<u>11/13/07</u>	<u>11/18/07</u>	<u>11/19/07</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 207- 27285-0000  
County: Woodson  
SE    NW    Sec. 18 Twp. 24 S. R. 14  East  West  
661 feet from S /  (circle one) Line of Section  
1210 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: HO Kimbell Well #: 28  
Field Name: Winterschied

Producing Formation: Mississippian Dolomite  
Elevation: Ground: 1118.5' Kelly Bushing: 1122.8'  
Total Depth: 1710' Plug Back Total Depth: 1707'  
Amount of Surface Pipe Set and Cemented at 41 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1707'  
feet depth to surface w/ 135 sx cmt.

**Drilling Fluid Management Plan** *AK # NS 9-15-09*  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Marcia Littell  
Title: Agent Date: 01/23/08  
Subscribed and sworn to before me this 23<sup>RD</sup> day of JANUARY,  
2008.  
Notary Public: Maureen Ethon  
Date Commission Expires: 9/18/2010

**KCC Office Use ONLY**

Letter of Confidentiality Received **RECEIVED**

If Denied, Yes  Date: \_\_\_\_\_ KANSAS CORPORATION COMMISSION

Wireline Log Received

Geologist Report Received **JAN 28 2008**

UIC Distribution CONSERVATION DIVISION

Maureen Ethon  
Notary Public, State of Kansas  
My Appt Expires 9/18/2010 WICHITA, KS

Operator Name: Haas Petroleum, LLC Lease Name: HO Kimbell Well #: 28  
 Sec. 18 Twp. 24 S. R. 14  East  West County: Woodson

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Mississippian Dolomite</td> <td>1665'</td> <td>(542)</td> </tr> </table>	Name	Top	Datum	Mississippian Dolomite	1665'	(542)
Name	Top	Datum					
Mississippian Dolomite	1665'	(542)					

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	11 1/4"	8 5/8"	20.5#	41'	Class "A"	20	2% CaCl <sub>2</sub> , 2% Gel
Production	6 3/4"	4 1/2"	9.5#	1707'	60/40 Poz Mix	135	8% gel, 1/4# flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4 SPF	1662-1666'	500 gal. 15% mud acid	1662-1666'

TUBING RECORD	Size <b>2 3/8"</b>	Set At <b>1701.13'</b>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

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KANSAS CORPORATION COMMISSION

**JAN 28 2008**

CONSOLIDATED OIL WELL SERVICES, LLC  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICKET NUMBER 13165  
 LOCATION Eureka  
 FOREMAN Troy Strickler

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-19-07	3451	H.O. Kimbell #28				Laboon
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			520	Cliff		
CITY			439	John		
STATE			479	Shannon		
ZIP CODE			452/T63	Jim		
Kansas City Mo. 64112			CASING SIZE & WEIGHT <u>4 1/2" 9.5" Ann.</u>			

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 4 1/2" 9.5" Ann.  
 CASING DEPTH 1714' G.L. DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER 10' shoe fl.  
 SLURRY WEIGHT 12.8-13.4" SLURRY VOL 55861 WATER gal/sk 8-8.5" CEMENT LEFT in CASING 10'  
 DISPLACEMENT 27.8861 DISPLACEMENT PSI 700 MIX PSI 1200 Bump Plug RATE \_\_\_\_\_  
 REMARKS: Safety Meeting! Rig up to 4 1/2" casing Break Circulation w/ 50sk water  
Mixed 135sks 60/40 Poz-mix Cement w/ 8% Gel, 1/4" Flocele Perf @ 12.5" Perf  
yield 1.65. Tail in w/ 50sks Thick Set Cement w/ 5" Kol-Seal Perf @ 13.4"  
Perf. yield 1.69. Wash out Pump + lines. Release Plug. Displace w/ 27.8861  
water. Final Pump Pressure. 700 PSI. Bump Plug to 1200 PSI. Wait 20m.  
Release Pressure. Float Held. Good Cement to surface = 8000 Slurry  
to Pit. Job Complete.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	840.00	840.00
5406	30	MILEAGE	3.30	99.00
1131	135sks	60/40 Poz-mix Cement	9.80	1323.00
1118 A	930#	Gel 8%	.15	139.50
1107	1/4"	Flocele 1/4" Perf	1.90	69.60
1126A	50sks	Thick Set Cement	15.40	770.00
1110A	250#	Kol-Seal 5" Perf	.38	95.00
5407	8.55 Tons	Ten-Mileage Bulk Trucks	m/c	285.00
5502C	3hrs	Water Transport	100.00	300.00
1123	6000gal	City Water	12.80	76.80
4404	1	4 1/2" Top Rubber Plug	40.00	40.00
4310	1	4 1/2" Baffle Plate	25.00	25.00
			Sub Total	4657.90
			SALES TAX	159.00
			ESTIMATED TOTAL	4217.90

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CONSERVATION DIVISION  
 WICHITA, KS 632

018587

AUTHORIZATION witnessed by Ben Herrell

TITLE Skyp Ark

DATE 4217.35

CONSOLIDATED OIL WELL SERVICES, *LLC*  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICKET NUMBER **13163**  
 LOCATION *Finch*  
 FOREMAN *Tray Strickland*

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-13-07	3451	HO Kimball # 28				<i>Wichita</i>
CUSTOMER <i>Haas Petroleum, LLC</i>						
MAILING ADDRESS <i>800 West 47th Ste 409</i>						
CITY <i>Kansas City</i>		STATE <i>Mo</i>	ZIP CODE <i>64122</i>			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			<i>290</i>	<i>Cliff</i>		
			<i>515</i>	<i>Shannon</i>		

JOB TYPE *Surface* HOLE SIZE *11 1/4"* HOLE DEPTH *42'* CASING SIZE & WEIGHT *8 5/8"*  
 CASING DEPTH *41'* DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT *14.8"* SLURRY VOL \_\_\_\_\_ WATER gal/sk *6.5"* CEMENT LEFT in CASING *10'*  
 DISPLACEMENT *28b1* DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: *Safety Meeting: Rig up to 8 5/8" casing. Break circulation w/ water. Mixed 20sks Class A Cement w/ 2% Gel + 2% Cacl<sub>2</sub> @ 14.8" wgt. Displaced w/ 28b1 water. Shut casing in w/ Good Cement to surface.*

*Job Complete.*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	<del>650.00</del>	650.00
5406	30	MILEAGE	3.30	99.00
1104S	20sks	Class A Cement	12.20	244.00
1102	40 <sup>M</sup>	Cacl <sub>2</sub> 22	.67 <sup>M</sup>	26.80
1118A	40 <sup>S</sup>	Gel 22	.15 <sup>M</sup>	6.00
5407		Ton-Mileage Bulk Truck	m/c	285.00
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			JAN 28 2008	
			CONSERVATION DIVISION	
			WICHITA, KS	
			Sub Total	1714.80
			SALES TAX	171.48
			ESTIMATED TOTAL	1886.28

AUTHORIZATION *Called by Ben* TITLE *Skyy* DATE \_\_\_\_\_

*218303*

*132824*

**David B. Griffin, RG, Consulting Geologist**

1502 W. 27<sup>th</sup> Terrace  
Lawrence, Kansas 66046

Ph. (785) 842-3665  
Cell (785) 766-0099  
Fax (785) 856-3935

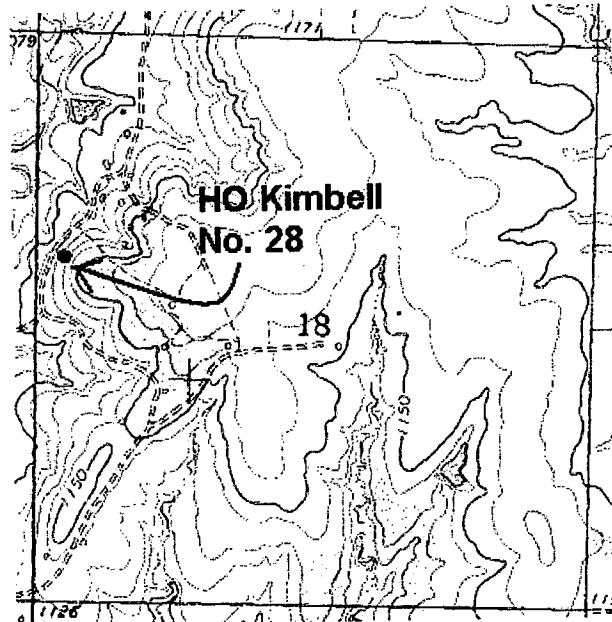
**Geological Wellsite Report**

November 23, 2007

Haas Petroleum, LLC  
800 W. 47<sup>th</sup> St, Suite 409  
Kansas City, MO 64112  
Attn: Mark Haas

EnerJex Resources, Inc.  
Commerce Plaza  
7300 W. 110<sup>th</sup> St., 7<sup>th</sup> Floor  
Overland Park, KS 66210  
Attn: Brad Kramer

RE: Geological Wellsite Report  
HO Kimbell No. 28, Producer Well  
NW SW SW NW4  
Section 18, T24S – R14E  
Woodson County, Kansas



The following report on the subject well includes detailed information and geological data based on microscopic examination of rotary drill cuttings and drill bit rate of penetration from 1250' to a total depth of 1710' below the kelly bushing. A detailed log that plots drilling time, sample cuttings description and the geological tops is attached. Subsea corrected geological tops were based on a relative surveyed sample datum kelly bushing elevation of 1122.8'. The ground level elevation is 4.5' lower at 1118.5'.

**Daily Progress**

November 13, 2007; Rig # 2, Spud and set 41' of 8 5/8" surface casing,

November 15, 2007; Drill from 41' to 485',

November 16, 2007; Drill from 485' to 940',

November 17, 2007, Drill from 940' to 1430',

November 18, 2007, Drill from 1430' to Rotary TD at 1710'.

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## Well Information

**Well Name:** HO Kimbell No. 28      **Elev.:** Rel. Survey GL 1118.5', KB 1122.8'

**Location:** NW SW SW NW4  
Section 18, T 24S-R 14E  
Woodson County, Kansas

**GPS lat long Coord:** N37.96133, W-95.92128

**API No.:** 15-207-27285-0000      **Field:** Winterscheid

**Operator:** Haas Petroleum, LLC

**Contact Person:** Mark Haas

**Drilling Co.:** Skyy Drilling, Rig # 2  
Yates Center, Kansas, 66865  
KS Operator License No.: 33557

**Drilling Co. Owner:** Mark Haas      **Tool Pusher:** Ben Harrell

**Cement Co.:** Consolidated Oil Well Service Co.  
KS Operator License No.: 04996

**Status:** Pending Set-Thru Completion      **Spud Date:** Nov. 13, 2007

**Rotary Total Depth:** 1710' KB      **Date Reached TD:** Nov. 18, 2007

**Surface Casing:** 12 1/4" bit, set 41' of 8 5/8" casing  
Cemented with approximately 30 sacks of class "A" cement with 2% gel  
and 3% CaCl<sub>2</sub>

**Drilling Notes:** 6 3/4" Button Bit from 41' to 1710'  
Drilling time provided from 1250' to TD at 1710'  
Sample travel time to surface (lag), approx. 1 min. per 150 feet

**Mud Program:** Native fresh water mud to 1100', fresh water gel mud from 1100' to TD  
Fudd Mud, Inc. provided occasional monitoring of chemical drilling mud  
Preferred properties; 33 to 36 vis, 8.9 to 9.4 wt.

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**Geological Supervision:**

David Griffin, RG, provided wellsite supervision on Nov. 18, 2007 for depth to 1710' TD. Samples microscopically examined from 1250' to 1710'. A gas detector was not available for use.

**Logs, Cores, DST's:** This well is a set-thru completion as a producer. No Open-Hole logs were obtained. A cased-hole log was obtained by Midwest Survey to determine the perforation interval. No cores or drill stem tests were performed for this well.

**Geological Datums:**

<b>HO Kimbell No. 28, Geological Tops</b>		<b>HO Kimbell No. 27</b>
<b>NW SW SW NW4, Sec. 18, T24S-R14E</b>		<b>SE NW NW SW NW4, Sec. 18 T24S-R14E</b>
	<b>Relative Survey KB Elev. 1122.8' KB Sample Depth</b>	<b>Relative Survey KB Elev. 1103.3' KB Sample Depth</b>
<b>Zones of Interest</b>	<b>Depth</b>	<b>Subsea</b>
<b>Cherokee Group</b>	1269	-146
<b>U. Squirrel SS</b>	1274	-151
<b>Ardmore LS</b>	1371	-248
<b>Cattleman SS</b>	Absent	Absent
<b>Bartlesville SS</b>	Absent	Absent
<b>PN Basal Conglomerate</b>	1628	-505
<b>Mississippian LS</b>	1650	-527
<b>Miss. Dol, Pay Zone</b>	<b>1665</b>	<b>-542</b>
<b>Rotary Total Depth</b>	1710	-587

**Structural Comparisons:**

Structural comparison of subsea corrected geological log tops for HO Kimbell No. 28 indicates that the top of the dolomite pay zone was 11' lower than in HO Kimbell No. 27, a new producing well offsetting to the north 600'.

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## Pay Zone Description

### Mississippian; Dolomite:

**Pay Zone, 1665' to 1675', KB Samples;  
Best Pay Zone, 1665' to 1670, KB Samples, (1661' to 1666', GL):**

Dolomite, rich brown, 30%, fine crystalline, fair to good crystalline porosity and fair to very good vugular porosity, good odor, best pay has a fair show of free oil and a fair show of free oil washing from the samples, 40% is tannish gray dolomite, very fine crystalline, fair crystalline porosity, fair vugular porosity, with no show of oil, 30% bright green sample fluorescence in brown dolomite, 30% chert, nodular, white, tan or gray throughout pay zone, chert increases to 70% below 1773'.

## Sample Observations of Other Zones of Interest

### Pennsylvanian, Upper Squirrel Sandstone:

**1274' to 1280', KB Samples:**

Sandstone, gray to greenish gray, very fine grained, silty, 30% of cuttings are patchy stained with heavy tarry oil, oil does not bleed, no odor, poor to fair porosity.

### Pennsylvanian, Cherty Sandy Silty Conglomerate:

**1628' to 1650', KB Samples;**

Conglomerate, chert, 30% to 60%, translucent light gray to white; siltstone, tan, fair amount of loose fine and medium well rounded quartz sand grains throughout, shale, dark gray to tan throughout, below 1641' zone is sandstone, clear, mostly well cemented, recrystallized, very fine to fine grained quartz, poor porosity with a zone of good porosity as loose sand grains at 1647', no odor, no show of oil or fluorescence.

### Mississippian Limestone/Dolomite:

**1650' to 1665', KB Samples;**

Limestone, 1650' to 1655', tan to brown in top to light tannish-gray, fine to coarse crystalline, grainstone, poor to fair crystalline porosity, little vugular porosity, no fluorescence, no odor, no oil show. Dolomite interbedded with dolomitic limestone from 1655' to 1665', tannish-gray to light brown, fair odor, trace of free oil in brown dolomite, 20% medium green fluorescence, 60% dull fluorescence in tight dolomite, fair intercrystalline and vugular porosity, chert 10%, white.

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CONSERVATION DIVISION  
WICHITA, KS

HO Kimbell No. 28  
Wellsite Geology Report  
By David Griffin, RG  
November 23, 2007



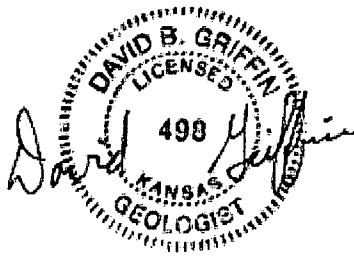
**Summary:**

Approximately 10' of cherty dolomite with a fair to slight show of free oil was penetrated from 1665' to 1675', KB for a subsea top of -542' below sea level which is 11' structurally lower than HO Kimbell No. 27, a new good producer well offsetting to the north, 600'. The oil saturation was best from 1665' to 1670', KB with a fair show of free oil that washed from the samples. The oil-water transition zone should begin at approximately 1672' KB, (-550). With the fair showing of free oil, the operator set and cemented 4½-inch casing through the pay zone for completion as a set-thru producer.

**Recommendations:**

Based on the sample observations and structural position of the pay zone, the pay zone was perforated from 1662' to 1666', GL GRN Cased Hole Log, at 4 shots per foot. The drilling mud in the zone should be treated with mud acid, swabbed back until little drilling fluid is returned. If a commercial rate of oil is not observed at this point, the zone could be treated with up to 1,000 gallons of 15% acid.

Respectfully Submitted,



David B. Griffin, RG  
Consulting Geologist

Attachments: Drilling Time, Sample Description and Geological Tops Log

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WICHITA, KS



Well No: HOKimbell No. 28

Location: NWSW SWNW4, 219' SW 1  
3100' fsl, Sec. 18, T24S-R14E, WDCo

Datum/Elev. KB 1122.8'

Depth	Lithology	Shows	Drilling Time in Minutes per Foot Rate of Penetration Decreases						Sample Descriptions	Tops/Remarks
			5	10	15	20	25	30		
1500									sh, gy to grn-gy, dk gy mottling	
									AA, fr. yellow tan ls	
									AA	
									sh, gy-grn-gy w/d dk gy mottling	
									AA	
1550									AA	
									sh, blk, cody	
									ss, lt gy, vlt-fgn, fr-gd φ No odor, no show, no Flr, 30% lam. ? sub-ang.	
									coal	
									sh, vdk gy to blk, brn claystone	
1600									coal	
									sh, vdk gy to blk, 20% siltst, dk gy lam, pr φ, ns	
									sh, vdk gy to blk	
									coal	
									sh, 60% vdk gy to blk, 40% lt gy-tan Chert, 30-60%, wh-lt gy, sd, loose f-med w/lt rnd qtz, siltst, tan, sh, dk gy to tan Below 1635, chert, 60%, shale, all gy shades blk, grn-gy, 5% siltst, tan shly, No odor, No show oil	Basal Congl. 1628(-505)
									SS, clear, mostly recryst. qtz, pr φ, 15% siltst, tan, trace chert, shale, gys holes ← abndt loose sd below 1663 w/shale gys No odor, No Flr, No show oil	Miss LS
1650									LS, tan to brn, vlt xtl, fr vug φ, fair odor, siltst, tan, trace chert, shale, gys holes 20% brt brn Flr, 5% chert, 10% dol Dol, Rich brn, 30% fxtln, fair tan-gd vug φ, fair show of free oil washing 40% dol tan-gy sharp, ns, 30%-70% chrt	1650(-527)
		slit oil show							Dol at 1652, v. calc, lt tan-gy to tan, vlt xtl, pr-fr ix φ, no odor, only dull Flr, ns	Dol. Pay
		fair show oil							Dol, tan-gy, vlt xtl, fr-gd ix φ, fr-gd vug φ, 50% chert, slit odor, ns	1665(-542)
									Dol, calc, gy to tan-gy, pr-fr ix φ, fr vug φ, 20% chert, ns	
									Dol, tan-gy to gy, vlt-xtl, fr-gd vug φ in part, fr-gd ix φ, chert, wh 10%	
1700									AA	Total Depth 1710(-587)

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