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	API No. 15 - 207- 27285-0000
Name:_Haas Petroleum, LLC	County: Woodson
Address:800 West 47th Street, Suite #409	SE _NW _NW _ Sec. 18 Twp. 24 S. R. 14 ✓ East West
City/State/Zip: Kansas City, MO 64112	feet from S / (N) (circle one) Line of Section
Purchaser: Plains Marketing, L.P.	1210 feet from E / (circle one) Line of Section
Operator Contact Person: Mark Haas	Footages Calculated from Nearest Outside Section Corner:
Phone: (816) 531.5922	(circle one) NE SE (NW) SW
Contractor: Name: Skyy Drilling, LLC	Lease Name: HO Kimbell Well #: 28
License: 33557	Field Name. Winterschied
Wellsite Geologist: David Griffin, RG.	Producing Formation: Mississippian Dolomite
Designate Type of Completion:	Elevation: Ground: 1118.5' Kelly Bushing: 1122.8'
New Well Re-Entry Workover	Total Depth: 1710' Plug Back Total Depth: 1707'
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1707'
Operator:	feet depth to surface w/ 135 sx cmt.
Well Name:	Mutull G. K. CO
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan Aft 74 NJ 9-15 09 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride contentppm Fluid volumebbls
Plug Back Total Depth	Dewatering method used
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Location of fluid disposal if fladied offsite.
Other (SWD or Enhr.?) Docket No	Operator Name:
·	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East \(\bigcup \text{ West} \)
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, worko	ith the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-gs and geologist well report shall be attached with this form. ALL CEMENTING IIIs. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate are complete and correct to the best of my knowledge.	ulate the oil and gas industry have been fully complied with and the statements
Signature: Marcia Littell	KCC Office Use ONLY
Title:	Letter of Confidentiality Received
Subscribed and sworn to before me this 23 kg day of January	RECEIVED If Denied, Yes Date: KANSAS CORPORATION COM
	Wireline Log Received
2008	Geologist Report Received JAN 2 8 2008
Notary Public: Pauree 2/18/20/0	Maurier Effor UIC Distribution Notary April State of Kansas My Appt Expires 8// 1500 WICHITA, KS

Side Two

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perator Name: Haas	s Petroleum, LLC			Lease	Name:_H	O Kimbeli		. Well #: _28	
ec. 18 Twp. 24	s Petroleum, LLC	✓ East	West	County	/: Woods	on			
ested, time tool oper emperature, fluid rec	now important tops a n and closed, flowing covery, and flow rates s surveyed. Attach f	g and shut-in s if gas to su	pressures, v rface test, al	vhether sl ong with f	nut-in pres	sure reached s	static level, hydro	static pressur	ests giving interval es, bottom hole ed. Attach copy of all
rill Stem Tests Take		☐ Yes	√ No		Lo	g Formatio	on (Top), Depth a	nd Datum	✓ Sample
amples Sent to Geo	,	Yes	√ No		Name			Тор	Datum
ores Taken		Yes	✓ No		Missis	sippian Dolom	ite	1665'	(542)
lectric Log Run (Submit Copy)		Yes	√ No						
ist All E. Logs Run:									
		D	CASING		✓ Nev	V Used mediate, product	tion ato		
Purpose of String	Size Hole	Size (Casing	We	ight	Setting	Type of	# Sacks	Type and Percent Additives
Surface	Drilled 11 1/4"	Set (II	n O.D.) 8"	Lbs. 20.		Depth 41'	Cement Class "A"	Used 20	2% CaCl2, 2% Gel
Production	6 3/4"	4 1/2	2"	9.	5#	1707'	60/40 Poz Mix	135	8% gel,1/4# flocele
			ADDITIONAL	CEMENT	ING / SQU	EEZE RECORD)		
Purpose:	Depth Type of Cerr		Cement	ment #Sacks Used			Type and P	ercent Additive	s
Perforate Protect Casing Plug Back TD Plug Off Zone									
Plug Oli Zone									
Shots Per Foot		ION RECORD Footage of Ea			•	Acid, Fra	cture, Shot, Cement mount and Kind of Ma	Squeeze Reco	ord Depth
4 SPF	1662-1666'					500 gal. 15%	mud acid		1662-1666'
TUBING RECORD	Size	Set At		Packer	At	Liner Run			
Date of Flort Description	2 3/8"	1701.13'	Producing Met	hod	1		Yes No		
Date of First, Hesumei	rd Production, SWD or	Entit.	Toducing Me		Flowing	Pumpi	ing Gas Li	ft 🗌 Oti	her (Explain)
Estimated Production	Oil	Bbls.	Gas	Mcf	Wate	r E	3bls. (Sas-Oil Ratio	Gravity
Per 24 Hours		i i							RECEIVE

CONSOLIDATED OIL WELL SERVICES, L.C. P.O. BOX 884, CHANUTE, KS 68720 620-431-9210 OR 800-467-8676

TICKET NUMBER_	13103	
LOCATIONE	uceka	
FOREMAN_TO	oy Strickler	

TREATMENT REPORT & FIELD TICKET

CEMENT

DATE CUSTOMER WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY 11-19-07 \$451 H.O. Kin bell #28 USTOMER HOS PETFORM LLC AILING ADDRESS 800 West 47th Ste 409 EXPRODE WAD SASTATE STATE WIP CODE WAD SASTATE WHILZ HOLE DEPTH CASING SIZE & WEIGHT 45 9.5" M. COB TYPE LORSTING OTHER 105 M. CASING SIZE & WEIGHT 45 9.5" M. CASING SIZE & WEIGHT 45 9.5" M. WATER Galisk 8 - 8.5" CEMENT LEFT IN CASING 10 ' CHEMARKS: SAFELY MEETING: Rig up to 41/3" CASION Break Circulation with the same of the same flag of the s				CHINE	• •		041105	COUNTY
USTOMER Heas Petroleum, LLC AILING ADDRESS 800 West 47th Ste 409 ITY STATE ZIP CODE WAS City Mo. W4/12 HOLE SIZE LAW HOLE DEPTH CASING SIZE & WEIGHT 45. 9.5 M. OBTYPE Langeting HOLE SIZE LAW HOLE DEPTH CASING SIZE & WEIGHT 45. 9.5 M. SLURRY WEIGHT 12.8-13.4 SLURRY VOL SSBL WATER gal/sk 8-8.5 CEMENT LEFT in CASING LO ' SIZE SURRY WEIGHT 12.8-13.4 SLURRY VOL SSBL WIX PS 1200 Bump Ply RATE REMARKS: Safety Meeting: Rig up to 41,4 Casing Break Circulation w/ Salvery Vol SSBL Will Size Steel Meeting: Rig up to 41,4 Casing Break Circulation w/ Salvery Vield 1.65. Tail in w/ Sake Thick Set Cement w/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5 (12.5 Cement W/ 82 Cel 44 Florele Mark 13.5		CUSTOMER #	WELL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	
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ASING DEPTH 1714' G.L. BY STATE ZIP CODE WATER Gal/sk 8-8.5° CEMENT LEFT in CASING 10' WATER Gal/s	ISTOMER		**************************************	1	TRUCK #	DRIVER	TRUCK #	DRIVER
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Kansas City Mo. 14/12 108 TYPE Langstong ASING DEPTH 1714'G.L. DRILL PIPE TUBING LURRY WEIGHT 12.8-13.4" SLURRY VOL SSBAI WATER gal/sk 8-8.5° CEMENT LEFT in CASING 16' WATER gal/sk 8-8.5° CEMENT LEFT in CASING	_		che UM		439	John		
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Hansas City Mo. 108 TYPE Longstring HOLE SIZE HOLE DEPTH TUBING ASING DEPTH 1714' G.L. DRILL PIPE TUBING WATER gal/sk 8-8.5° CEMENT LEFT in CASING 10' ISPLACEMENT 27.8861 DISPLACEMENT PSI 700 MIX PSI 1200 Runp Ply RATE EMARKS: Safety Meeting: Rig up to 4½" Casing Break Circulation w/SAL was Mixed 135sks 100/40 Asz-mix Cement w/82 Cel, 14" Florele Price Wield 1.65, Tail in w/ Saks Thick Set Cement w/5" Kol-Sen/ Wield 1.65, Tail in w/ Saks Thick Set Cement w/5" Kol-Sen/ Right wield 1.69. Wash out Runp + lines. Release Plug. Displace w/Sals Water Final Pump Pressure. 700 RST. Bump Plug to 1200 PST. Wait Delease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held. Good Cement to surface = 800 Stump Palease Pressure. Float Held.	TY					Tio	l	
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EMARKS: Safety Meeting: Rig up to 41/2" Casing Break Circulation w/ 500 wasterness. Safety Meeting: Rig up to 41/2" Casing Break Circulation w/ 500 wasterness. Mixed 135sks 100/40 fb2-mix Cement w/ 82 Gel, 14" Florele 125" wield 1.65, Tail in w/ 50sks Thick Set Cement w/ 5" Kol-Sen/ 13.4" wield 1.65, Tail in w/ 50sks Thick Set Cement w/ 5" Kol-Sen/ 13.4" Ref. yield 1.69. Wast out flump + lines. Release Plug. Displace w/ 27.5 Ref. yield 1.69. Wast out flump + lines. Release Plug to 1200 fst. Wast waster. Final flump fressure. 700 fst. Bump flug to 1200 fst. Wast 200 feet. Float Held. Good Cement to surface = 800 stanger.	LIBBY WEIG	HT /2.8_"/3.4"	ALLINDY VAL. (S.R.L.)	WATER gai	, - · · · · · · · · · · · · · · · · · ·			
EMARKS: Safety Meeting: Rig up to 45" Casing Break Circulation Mixed 135sks 100/40 for-mix Cement w/82 Del, 44" Florele Price 128" Vield 1.65. Tail in w/ Saks Thick Set Cement w/5" Kol-Sen/ Lie 0 13.4" Night. Vield 1.69. Wash out flump + lines. Release Plug. Displace w/27.8 Waster. Final Pump Pressure. 700 PST. Bump Plug to 1200 PST. Wait Delease Pressure. Float Held. Good Cement to surface = 8841 Slowy				MIV DOL /	700 Kumo FI4	KAIE		
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Mixed 135sks 120140 162-1111 Letters Ned 1.65. Tail in w/ 50sks Thick Set Coment w/ 5" Kol-Son/ 12 Q 13-1- Ned 1.65. Tail in w/ 50sks Thick Set Coment w/ 5" Kol-Son/ 12 Q 13-1- Ned 1.69. Wash out flump + lines. Release Plug. Displace and 27.8 Neder. Final fump fressure. 700 RST. Bump flug to 1200 PST. Whit 2 Delease Pressure. Float Held. Good Coment to surface = 800 Slowing	EMARKS: .	Safety Me	eting! Kig up to		11/22 1	1 14# F/O	who Parks	0 125
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Delease Pressure Float HER. Char	u da Jer	Final	Puma Pressure.	100 PT	- Durage - Fr		- 84	1 Sturrey
to Pit. Job Complete.	Wager .		. Float Held.	Good	Cement	to surta	£ 2	
to Pite Job Complete.	Release	PIRALIC	0 1110					
	to f	3.4. JOP	Complete.					
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· COLUNE		DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
ACCOUNT CODE	QUANTITY or UNITS		840.00	\$40.00
5401		PUMP CHARGE	3.30	99.00
1406	30	MILEAGE		1
		60140 Poz-mix Cement	9.80	132100
1131	1355ks		. 15	
1118 A	930#	Gel 87 Flocele 4" Rofiz	1.90	47.60
1107	34*	Flocele M. 182		
		The first Connect	15.40	770.00
1126A	50sks	Thick Set Coment	.38#	95.00
/110A	250*	Kol-Seul S # Agh		
		Tooks	m/c	2000
5407	g. SJ Tons	Ton-Milegre Bulk Trucks	/00.eu	1000
SSO1C	<u> </u>	Water Transport	12.84	74.80
//23	6000pl	City Water	40.00	40.00
4404		4 % Top Rubber Play RECEIVED 4 K Baffle Plate KANSAS CORPORATION COMMISSION 2009	25.00	25.00
4310		4K Baffle Plate KANSAS CORPORATION		
		JAN 2 8 2008		
		THE TION DIVISION	Sub Takel	4057.90
	,	CONSERVATION DIVISION WICHITA, KS 632	SALES TAX	159.4
		818 587	ESTIMATED TOTAL	4217

AUTHORIZATION WITHERSEL by Ban Herrell

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

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TREATMENT REPORT & FIELD TICKET CEMENT

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1502 W. 27th 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. 47th St, Suite 409 Kansas City, MO 64112 Attn: Mark Haas

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

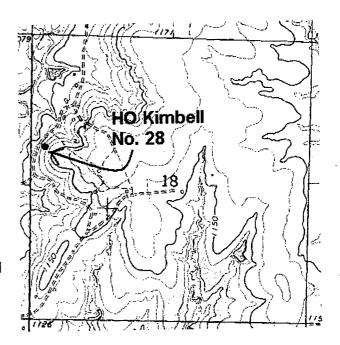
RE:

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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CONSERVATION DIVISION WICHITA, KS

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.:

Skyv 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% CaCl₂

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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CONSERVATION DIVISION WICHITA, KS

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:

HO Kimbell No. 2	HO Kimbell No. 27		
NW SW SW NW4,	SE NW NW SW NW4, Sec. 18 T24S-R14E		
	KB Elev.	e Survey 1122.8' KB e Depth	Relative Survey KB Elev. 1103.3' KB Sample Depth
Zones of Interest	Depth	Subsea	Subsea
Cherokee Group	1269	-146	-157
U. Squirrel SS	1274	-151	-164
Ardmore LS	1371	-248	-257
Cattleman SS	Absent		Absent
Bartlesville SS	Absent		Absent
PN Basal Conglomerate	1628	-505	505
Mississippian LS	1650	-527	-517
Miss. Dol, Pay Zone	1665	-542	-533
Rotary Total Depth	1710	-587	-597

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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Page 4 of 5

JAN 28 2008

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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