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**Geological Wellsite Report**

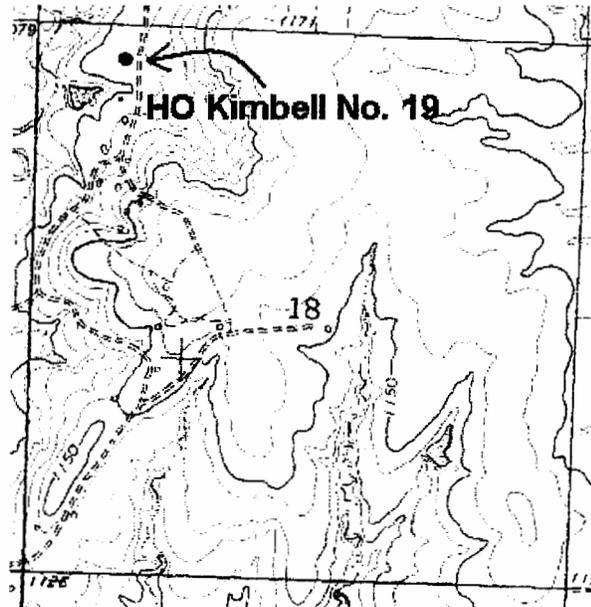
325 FNL 850 FWL

September 6, 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. 19, Producer Well  
W2 NE NW NW4  
Section 18, T24S – R14E  
Woodson County, Kansas



18-24-14E Kimbell No. 19

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 1690' below the kelly bushing. A detailed log that plots drilling time, sample cuttings description and the geological tops is included. Subsea corrected geological tops were based on a relative surveyed ground level elevation of 1103.8' for the sample datum kelly bushing elevation of 1110.3'. The kelly bushing elevation is approximately 6.5' above the ground level.

**Daily Progress**

August 29, 2007; Rig # 1, Spud and set 41' of 8 5/8" surface casing,

August 30, 2007; Drill from 105' to 761',

August 31, 2007, Drill from 761' to 1420',

September 1, 2007; Drill from 1420' to 1641', Break for Labor Day holiday,

September 4, 2007; Drill from 1641' to TD at 1690', Open-hole log attempt by Osage Wireline failed due to bridge at 965',

September 5, 2007; Set 4 1/2-inch casing and cement.

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## Well Information

**Well Name:** HO Kimbell No. 19      **Elev.:** Rel. Survey GL 1103.8', KB 1110.3'

**Location:** W2 NE NW NW4  
Section 18, T 24S-R 14E  
Woodson County, Kansas

**GPS lat long Coord:** N37.96625, W-95.91916

**API No.:** 15-207-27246-0000      **Field:** Winterscheid

**Operator:** Haas Petroleum, LLC

**Contact Person:** Mark Haas

**Drilling Co.:** Skyy Drilling, Rig #1  
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:** Aug. 29, 2007

**Rotary Total Depth:** 1690' KB    **Log TD:** 965'      **Date Reached TD:** Sept. 4, 2007

**Surface Casing:** Hole drilled with 12 1/4" bit, 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-blade (Ulterra) PDC 7 7/8-inch Bit from 41' to 1690'  
Drilling time provided from 1250' to TD at 1690'  
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 Sept. 1 & Sept. 4, 2007 for depths from 1250' to 1690' TD. Samples microscopically examined for the entire interval.

**Logs and Cores:** This well is a set-thru producer. Osage Wireline attempted to run an open-hole log, however a bridge at 965' was encountered and prevented a log of the pay zone. It is anticipated that a cased-hole gamma-ray neutron log using a ground level datum will be obtained for perforation considerations. No cores were obtained for this well.

**Drill Stem Testing:** No drill stem tests were performed.

**Geological Datums:**

<b>HO Kimbell No. 19, Geological Tops</b>		<b>HO Kimb 18</b>
<b>W2 NE NW NW4 Sec. 18</b>	<b>KB Sample Depth</b>	
<b>Relative Survey KB Elev. 1110</b>	<b>Depth</b>	<b>Subsea</b>
		<b>C NW NW NW4, 501' W</b>
		<b>Rel. Surv. KB Elev. 1101 Sample Log Subsea</b>
<b>Cherokee Group</b>	1281	-171
<b>U. Squirrel SS</b>		
<b>Ardmore LS</b>	1381	-271
<b>Cattleman SS</b>	1395	-285
<b>Bartlesville Zone Marker</b>	1494	-384
<b>Bartlesville SS</b>	NA	NA
<b>Chat Conglomerate</b>	1606	-496
<b>Mississippian LS</b>	1622	-512
<b>Miss. Dol, Pay Zone</b>	<b>1628</b>	<b>-518</b>
<b>Total Depth</b>	1690	-580

**Structural Comparisons:**

Structural comparison of subsea corrected geological tops for HO Kimbell No. 19 indicates that the top of the dolomite pay zone was 21' higher than in HO Kimbell No. 18, a pending producer well, lying 501' to the west.

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## Pay Zone Description

### Mississippian; Dolomite:

#### Pay Zone, 1628' to 1650', KB, (1621' to 1643', GL), -528' datum;

Dolomite, calcareous, tan to brown to brownish-gray, very fine to fine crystalline, fair to good crystalline porosity and fair to very good vugular porosity, 10 to 15% chert, nodular, white, tan or clear chalcedonic, strong oil odor, very good show of free oil washing from sample, 20% to 90% bright green sample fluorescence was observed, a correction for shale slough was applied from 1641' to 1651'. This zone looks like very good pay with much free oil even after much sample washing.

#### Potential Pay Zone, 1650' to 1659', KB, (1643' to 1652', GL), -540' datum;

Dolomite, calcareous, brownish-gray, very fine to fine crystalline, fair crystalline porosity, fair to very good vugular porosity, good to very good odor, fair to good show of free oil washing from samples, 40% to 50% slightly spotty bright green fluorescence, 5% to 10% chert, nodular, white, tan, gray, clear, trace glauconite, trace of dark brown shaley dolomite, limestone present at approximately 1659'.

## Sample Observations of Other Zones of Interest

### Pennsylvanian; Sandy Conglomerate?:

#### 1606' to 1622, KB;

Conglomerate?, light gray to tan, approximately 30% to 80% sandy, very fine to fine grained, silty, also contains shale, light gray to black and chert, trace to 1% in top 5 feet, white to light tan, fair porosity, no odor, no show of oil or fluorescence.

### Mississippian Limestone:

#### 1622' to 1628', KB, Samples;

Limestone, upper few feet, dark brown, grading to light tannish-gray, grainstone, fine to coarse crystalline, poor crystalline porosity, trace glauconite, no odor, no show of oil, no fluorescence.

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**Summary:**

Approximately twenty-two feet of cherty dolomitic pay zone was penetrated from 1628' to 1650', KB, (1621 to 1643', GL) for a subsea top of -518, which is 21' higher than HO Kimbell No. 18, a new producer lying 501' west. The pay zone is structurally very high and mostly continuous with fair to very good vugular porosity development. The contained a very good to strong odor and a very good showing of free oil that readily washes from the samples. Zones with less porosity are indicated with sharp edges on some of the drill cuttings. An attempt to obtain an open-hole log was not successful. With the very good showing of oil, the operator set and cemented 4½-inch casing through the pay zone for later completion as a producer.

**Recommendations:**

Based on the sample observations, I recommend perforating the upper pay zone from approximately 1629' to 1649', KB, (1622' to 1642', GL). The lower pay zone may also be worth perforating from 1650' to 1656', KB, (1643' to 1649', GL). However, it has an increased risk of water production. A cased-hole log should be used for exact placement of the shots.

Respectfully Submitted,



David B. Griffin, RG  
Consulting Geologist

Attachments: Drilling Time, Sample Description and Geological Tops Log

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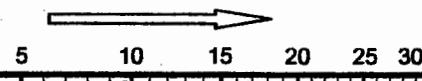
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Depth	Lithology	Shows	Drilling Time in Minutes per Foot Rate of Penetration Decreases → 5 10 15 20 25 30	Well No: HO Kimbell No. 19	Pg. 1 of 2
				Location: W2 NE NW NW4 SEC 18, T24S-R14E	Datum/Elev. KB 1110.3 <sup>Ref</sup> <sub>Surf</sub>
				Sample Descriptions	Remarks
1250				sh, gy, silty, glauc LS, tan w/br mottling, ns	
6:30P 8-31-07			Skgy, Rig #1 7 7/8" BIT 10' samples	sh, limey, crinoids, gy sh, blk, coaly LS, tan-gy, NS	
				sh, gy to dkgy + grn-gy silty LS, lt tan, v f x t l n s	Cherokee
				sh, dkgy-br siltstone, gn-gy, v f sdy, mica glauc, tr v f ss w/ tarsh. No odor	1281(-171)
1300				siltst., ltgy-gy-grngy, LS concr. tan	
				sh, dkgy, mica, carb, silty AA	
				SS, lam, gy, v f gnd, well cem ns	
				sh, dkgy, mica, carb, silty	
				sh, v dkgy v. min. ss lam, v f gnd. ns	
1350				AA	
				sh, v dkgy, brn claystone	
				sh, gy to v dkgy coal	
				LS, v dkgy to dkgy, foss. sh, blk	Ardmore LS 1381(-271)
1400				SS, ltgy, v f-fgnd, pr-fnd mica, shale interbeds NS or odor or Afr.	Cattleman SS 1395(-285)
8-31-07 midnite				coal	
9-1-07				sh, blk, some gy siltstone, ltgy-grn-gy tan LS concr.?	
				sh, ltgy to blk coal	
				sh, blk LS, lt brn	
1450				sh, v dkgy coal	
				sh, dkgy, cse silt lam 30%	
				sh, v dkgy, siltgy, mica, carb	
				sh, blk Claystone, brn	
				sh, blk LS, v dkgy	
2:48A 9-1-07 1500				sh, blk, coaly	

Well No: 40 Kimbell No. 19  
Location: W2 NE NW NW4  
SEC. 18, T24S-R14E

Drilling Time in Minutes per Foot  
Rate of Penetration Decreases



Depth	Lithology	Shows	Drilling Time in Minutes per Foot Rate of Penetration Decreases	Sample Descriptions	Remarks
1500					
9-1-07 2:48A				10' samples sh, blk, coaly coal sh, dk gy, fine mica coal sh, dk gy sh, gy to grn-gy	
1550				Abndt. siderite LS, Dk brn, dense sh, grn-gy, silty sh, vdk gy Claystone sh, blk, silty hard coal sh, blk	
1600				Coal Congl. ? It gy to tan, sdy, v f-fgn. w/ minor med., silty w/ shale It gy to blk, chert tr-1% wh to tan in top 5 feet, loose sd grains, no odor, No Show	Chatt Sdy Cgl 1600 (-496)
				LS, Dk Bn weathered in top, to lt. tan-gy, f-cse x+ln, tr glauc. Prp, No Show, No odor.	Miss. 1622 (-512)
8:30A 9-1-07		v. gd oil show		Dol, tan to brn-gy, calc, v f+ln fr-gd x+ln, fr-gd vug, gd to strong odor, gd-vgd show of oil, chert, 10-15%, wh-tan-clr.	Dol Day 1628 (-518)
9-4-07 9:00A		spotty oil show		LS, lt tan-gy, f-m x+ln, ns, Dol, Brn to brn-gy, v f-f+ln, fr x+ln, fr-vgd vug, strong odor, some edges sharp, abndt	Best Pay 1628 to 1650
1650				1641, 5-10-20 fcs 1656 10-20 fcs 1661 10-20 fcs 1671 10-20 fcs 1681 10-20 fcs 1690 10-20 fcs	
12:30P 9-4-07				LS, lt tan-gy w/ gy mottling, f-cse x+ln, No odor, ns, prp Dol, lt gy to Dol shale, dk bn NS	Total Depth 1690 (-580)
1700				ATTEMPT OPEN-HOLE LOG Borehole at 965' not successful	