



Well Name: PARIS #2-7
Location: SE SW NW NW SEC. 07-19S-28W

Licence Number: API: 15-101-22595 Region: Lane Co., KS
Spud Date: July 06, 2017 Drilling Completed: July 13, 2017

Spud Date: July 06, 2017 Surface Coordinates: 1180' FNL & 619' FWL

Bottom Hole Coordinates: Ground Elevation (ft): 2790'

K.B. Elevation (ft): 2800'
Total Depth (ft): 4675'

Ground Elevation (π): ∠130
Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4015
Formation: Mississippi Dolomite
Type of Drilling Fluid: Chemical Premix (Displaced)
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:
Company: Larson Engineering Inc.

Address: 562 West State Road 4 Olmitz, KS 67564-8561

KS 67564-8561

| | 6-1/4" x 2 OB 35k; | | | DRILLING CONTRACTOR: 495.88, Kelly 41.00', Tool Joint 5.5"; B Bushing 10' above ground level; Bill Sa | | | | | | | | | | ard | |
|--|--|-------------------|-------|--|--------------------------------|----|------------------|-----|-------|-------|------|--------|------|-----|--|
| CASING: Ran 6 jts new 8-5/8" 20# R3 STC 8rd csg. Tallied 253', set @ 266' KB. Ran 114 jts new API Tenaris N-80 R3 LTC 8rd csg. Tallied 4673.91', set @ 4672' KB. | | | | | | | | | | | | | | | |
| Continental EMSCO D-3 Jason Whiting | 75, duple | x, (| 6 x | CIRCULATION SYSTEM: 14, 58 spm, Chemical, premix, earth p | its, | Mu | ıdC | o/S | erv | ice | Mu | d, In | ıc., | | |
| | OPEN HOLE LOGS: DN, DI (SP), ML (stacked tools); No Sonic; 5" detail LTD-3600; 2" DI to suface casing; Pioneer Wireline, Hays, KS, LTD 4673', RTD 4675'. | | | | | | | | | | | | | | |
| DRILL STEM TESTS: None. | | | | | | | | | | | | | | | |
| ROP ROP (min/ft) Five Ten | Lithology | Porosity and Show | Depth | Geological Descriptions | Total Gas TG (units) Fifty One | | | | | | | | - | | |
| 0 ROP 15 | | Po | O | | 0 | | | | Hot- | Wire | | | | 100 | |
| START DIGITAL ROP 8:34 am, 07/11 | | | | | | | | | | | | | | | |
| 0 ROP 15 | | | 3800 | | 0 | | | | Hot- | Wire | | | | 100 | |
| | | | | | | | | | | | | | | | |
| | | | | LS: grayish brown; vf-xtal; chalky, argill.; poor apparent porosity; N.S. | | | | | | | | | | | |
| | | Ø | 3850 | LS: It gray; mic-vf xtal; chalky; rough textured; poor apparent porosity; N.S. LS: grayish brown; vf-xtal; sli. fos-frag.; poor | | | | | | | | | | | |
| | | | | porosity; N.S. LS: grayish brown; vf-xtal; dense in part; includes sli | | | | | | | | | | | |
| | | | | fos, opaq. chert; no visible porosity, N.S. | | | | | | | | | | | |
| | | Ø | 3900 | LS: grayish brown; mic-vf xtal; chalky; sli fos-frag; poor vugular & int frag. porosity; N.S. | | | | | | | | | | | |
| | | Ø | | LS: grayish brown vf-xtal; dense; no visible porosity; N.S. | | | | | | | | | | | |
| | | | | LS: grayish brown; mic-vf xtal; chalky in part; sli pyritic; poor apparent porosity; N.S. | | | | | | | | | | | |
| | | | 3950 | LS: grayish brown; vf-xtal; dk brown shaley streaks; poor porosity; N.S. HEEBNER SH 3962 (-1162) (Corrected Top) | | | | | | | | | | | |
| HEEBNER TORONTO | | | | Shale: black; carbonaceous; few chips 3980. Shale: green, gray; silty in part; weak expression 3990. LS: white; mic-vf xtal; dense with chalky portions; | | | | | | | | | | | |
| | F | | | minor opaq. chert; dull mineral fluor.; no visible porosity; N.S.; 4000, incr 4010. LS: as above. | | | | | | | | | | | |
| 0 ROP 15 -LANSING | | | 4000 | LS: white, It gray; vf-xtal; dense; no visible porosity; N.S. Shale: green, grays LANSING 4004 (-1204) LS: It brown; vf-xtal; dense; med. oolitic in part; tight int-ool porosity at best; dull fluor.; N.S.; 4030. | 0 | | | | Hot- | Wire | | | | 100 | |
| | | | | LS: It brown to gray; mic-vf xtal; sli. chalky; much opaq. chert; no visible porosity; N.S. | | | | | | | | | | | |
| Bzone | | ~ | | Shale: v-dk gray to black; fissile; trace 4050. LS: dk-gray; dense; indistinct; Shale: greenish-gray; silty; LS: It brown; vf-xtal; trace oolitic; sli. chalky; poor | | | | | | | | | | | |
| 3 | | Ø | 4050 | apparent porosity; N.S. LS: It-md brown; vf-xtal; scattered dk-gray pellets; sli. cherty; chalky in part; no visible porosity; N.S.; | | | | | | | | | | | |
| | | | | 4070. LS: even It-md brown; mic-vf xtal; sli chalky & cherty; no visible porosity; N.S. | | | | | | | | | | | |
| | | | | LS: grayish brown; vf-xtal; shaley; no visible porosity; N.S. Shale: gray, dk gray; | | | | | | | | | | | |
| E-zone | | • | 4100 | LS: It brown; vf-xtal; dense, platey; trace fine drusy vug porosity on plate edges; dull fluor.; spotted dk brown oil stain; 1-2 chips/tray; 4110. | | | | | | | | | | | |
| - G-zone | | Ø | | LS: It brown; mic-vf xtal; scattered vug porosity; dull fluor.; N.S. LS: It brown; vf-xtal; fine to med. oolitic & oomoldic | | | | | | | | | | | |
| | | ~ | | porosity; dull fluor.; N.S. 4150 LS: It brown; vf-xtal; dense; sli oolitic in part; poor oomoldic porosity; N.S. | | | | | | | | | | | |
| | | | 4150 | LS: as above, w/soft chalky portions; N.S. | | | | | | | | | | | |
| | | | | LS: It-md grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. | | | | | | | | | | | |
| | | | | MUNCIE CREEK 4184 (-1384) Shale: black; carbonaceous; few chips 4200. LS: md-dk grayish brown; vf-xtal; sli. fos-frag; dense; no visible porosity; N.S., 4210. | | | | | | | | | | | |
| 0 ROP 15 | | | 4200 | Shale: green. LS: It brown; vf-xtal; sli. oolitic & granular in part; scattered vug porosity; dull mineral fluor.; N.S. | 0 | | | | Hot- | Wire | | | | 100 | |
| | | | | LS: as above, more chalky; N.S. Shale: black; 4230, 4240. | | | | | | | | | | | |
| | | • | | LS: md-dk brown; vf-xtal; dense, platey; no visible porosity; N.S., 4240. LS: dk brown; vf-xtal; trace vug porosity w/spotted dk wet stain; no visible oil; poor dry staind; 4240. | | | | | | | | | | | |
| J-zone | | • | 4250 | LS: It grayish brown; vf-xtal; trace fine vug porosity, w/speckled wet stain, no visible oil, poor dry spotted stains; 4250. LS: It grayish brown; vf-xtal; coarse oom por., | | | | | | | | | | | |
| | 01 | D | | trace w/spotted stain; dull fluor., > 99% barren; no visible oil; floods 4290; not improved dry. LS: as above. | | | | | | | | | | | |
| * STARK | | | | LS: It gray; mic-vf xtal; chalky in part; no apparent porosity; N.S. STARK SH 4385 (-1485) Shale: black; carbonaceous; 4310. LS: dk grayish brown; vf-xtal; dense; N.S. | | | | | | | | | | | |
| K-zone | | • | 4300 | LS: It gray; vf-xtal; fair int granular & drusy vug porosity; spotted wet & dry stains; no visible oil; scattered soft brightly fluor. chalk; few chips, 4300, 4310-30m, trc oomoldic por. w/spotted stain 4320. | | | | | | | | | | | |
| 4310 | | | | LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. HUSHPUCKNEY 4323 (-1523) | | | RIP 20 k AFTE | | DS AT | 4310. | CIRC | 30 MIN | I — | | |
| HUSH | | • | | Shale: black; carbon.; few chips 4340, 4350. LS: dk brown; vf-xtal; dense; trace vug por. w/subhedral calcites; spotted to sat. stain; no visible oil; 4350. LS: It brown; vf-xtal; blocky; rough textured; trace fine vug porosity w/lt stain; dull fluor.; no visible oil; | | | | | | | | | | | |
| | | | 4350 | looks tight; 4360. LS: It grayish brown; mic-vf xtal; dense; sli chalky in part; minor semi-tran. chert; no visible porosity; N.S. | | | | | | | | | | | |
| ■ BKC | | | | LS: as above. | | | | | | | | | | | |
| | | | | LS: md-dk grayish brown; vf-xtal; dense; no visible porosity; N.S. LS: It-md grayish brown; vf-xtal; sli fos; dense; no visible porosity; N.S. Shale: groop gray: eli cilty in part: | | | | | | | | | | | |
| 0 ROP 15 | | • | 4400 | Shale: green, gray; sli. silty in part; LS: It-md grayish brown; vf-xtal; trace drusy vug porosity w/black spotted stain; no visible oil; dry stain is poor; 4420. | 0 | | | | Hot- | Wire | | | | 100 | |
| MARM | | | | Shale: green; calcareous; maroon mottled; LS: It brown; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. | | | | | | | | | | | |
| | | | | Shale: grays, greenish in part; silty; somewhat calcareous; Shale: calcareous: as above. | | | | | | | | | | | |
| —ALT | | | 4450 | Shale: calcareous; as above. LS: It brown; vf-xtal; dense to sli chalky in part; no visible porosity; N.S. | | | | | | | | | | | |
| | | | 4 | LS: It brown; vf-xtal; mixed w/much gray shale; N.S. | | | | | | | | | | | |

LS: It brown; vf-xtal; dense; sli chalky in part; pyritic;

LS: It grayish brown; vf-xtal; dense; includes minor orange-tinted, translucent cherts; no visible porosity; N.S.; 4490.

LS: It brown; vf-xtal; minor opaq. cherts; sli. chalky in part; no visble porosity; N.S.

LS: It brown to md grayish brown; vf-xtal; dense; no

LS: It brown; mic-vf xtal; chalky in part; platey; poor

LS: dk brown; vf-xtal; grain suptd med - coarse oolite in part; dense; no visible por.; N.S.

LS: dk brown; vf-xtal; dense; oolitic; no visible

LS: It brown to grayish brown; mic-vf xtal; dense to chalky in part; platey; no visible porosity; N.S.

 $\label{local-LS:lt-md} \begin{tabular}{ll} LS: & I-md grayish brown; vf-xtal; dense; platey; no visible porosity; N.S., $w/greenish to gray shales; \end{tabular}$

LS: It grayish brown; vf-xtal; dense; platey; no visible porosity; N.S.

LS: It grayish brown; vf-xtal; trace int fos-frag porosity w/dk brown stain; dull fluor., no visible oil; 1-2 chips

Shale: It green, gray, trace yellow; silty in part; 4530, incr 4640.

Conglomerate: various shale & cherts; w/ white &

Dol: calcitic; brown; vf-f xtal; tight int xtal porosity;

Dol: md brown; f-m xtal; fair int xtal & scattered fine

Shale: as above; w/incr green silty shale;

LS: It-md brown; vf-xtal; dense; N.S.

ROTARY TOTAL DEPTH 4675 (-1875)

Hot-Wire

TRIP OUT 16 STANDS, PUMP GASKET REPAIRS, T.I.H., CIRC. 90 MIN, TRIP OUT FOR LOGS.

BOARD: 4701.33 STRAP: 4699.88 SHORT: 2.05

PIONEER LTD 4673'

100

CHER SHALE 4563 (-1763)

Shale: black; few chips 4520, incr 4530. LS: dk brown; vf-xtal; dense; N.S. Shale: gray, greenish gray, trace maroon;

fine vug porosity; dull fluor., N.S.

Shale: black; 4550, 4560. FT. SCOTT 4537 (-1737)

porosity; N.S.

Shale: black;

LS: as above.

4620, 4630.

green siltstones; N.S.

vug porosity; N.S.

SPERGEN.

-RTD 2:09 pm -07/13/20174550

no visible porosity; N.S.

PAWNEE 4487 (-1687)

visible poroisty; N.S.