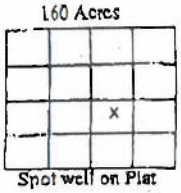
Osage Form 208 (2002)

160 Acres



Spot well on Plat

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSAGE AGENCY
P.O. Box 1539
Pawhuska, Oklahoma 74056

Report of Completed & Deepened Wells Within the Osage Reservation

Specify type of well
Oil, Gas, CBM,SWD, Dry, etc. SWD

One original must be filed within 10 days after completion of well.

Company operating CHAPARRAL ENERGY, L.L.C. Address 701 Cedar Lake Blvd., Oklahoma City, OK 73114

Lessee Chaparral Energy, L.L.C. Lessor OSAGE TRIBE

Well No. STITH 1-S SW ¼ Sec. 6 Twp. 24N Rge 05E Farm name STITH

Well located 1005 ft from [S] line, 1650 [W] line, Elevation GL 850 DF KB 862

Elevation and location surveyed by TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Drilling contractor(s) Blue Ribbon Drlg., Roadrunner Drlg., L.L.C. Began 6/09/2009 Finished 7/17/2009

Cable drilled interval and bit size(s) N/A

Mud ☒ Air ☐ Rotary drilled interval & bit size(s) 17½" HOLE TO 28'; 12¼" HOLE 28' TO 320'; 8¾' HOLE 320' TO 3705'; 6-1/8" 3705' TO 4848' (TD).

Casing Record — Cementing Contractor CONSOLIDATED OIL WELL SERVICE, INC.

Size	Wt.	Landed at	Interval cemented	Cement used; include type, gel, additives
13-3/8 ins.	lbs./ft.	28 ft.	28' to 0	50 sks Class "A" cmt.
9-5/8 ins.	36 lbs./ft.	319.6 ft.	319.6 to 0	150 sks Class "A" cmt. w/2% CaCl, 6% OWC, 2% Gel & .40#/sx Phenoseal
7 ins.	23 lbs./ft.	3705 ft.	3705 to 2490	150 sks Class "A" cmt w/2% CaCl,2% Gel, 6#/sx Gilsonite, 6% OWC, 10% Salt & .40#/sx Phenoseal

Interval(s) perforated ____ holes ____ to ____; ____ holes ____ to ____; ____ holes ____ to ____

Interval(s) left open Open Hole 3705' - 4848'; Interval(s) shut off and method

Plug back depth 4848' Packer set? YES Setting depth 3687' Packer left in? YES

How were fresh water and other zones protected? Surface csg. set w/cmt circulated to surface.

Flow ☐ Pump ☐ Swab ☐ Bail ☐ **Initial 24 hour Production Rate Before Treatment**

Casing ☐ Tubing ☐ Choke size ____ Oil ____ bbls., Gas ____ MCF, Water ____ bbls

Duration of test ____ hrs., Gravity ____ API FTP ____ psi SICP Not Tested psi SITP SWD Well psi

Formation treatment (shot, acid, fracture, etc.) Indicate amount of materials used (i.e., nitro, sand, water, acid, & other additives) and breakdown pressure.

Acid / Frac Arbuckle Limestone w/1800 gal 20% HCl. Flushed acid w/400 bbls SW then — 3705 Feet to 4848

loaded hole & pmpd 4 BPM @ 50#. Increased rate to 7 BPM @ 100#. ISIP = VAC. — Feet to ____

Feet to ____

Flow ☐ Pump ☐ **Initial 24 hour Production Rate After Treatment and Recovery of Load**
--- SWD WELL ---

Casing ☐ Tubing ☐ Choke size ____ Oil N/A bbls., Gas N/A MCF, Water N/A bbls

Duration of test ____ hrs., Gravity ____ API FTP ____ psi SICP ____ psi SITP ____ psi

Location fee paid William E. Pryor Trust Date 5/06/2009 Amount $5,500.00

Signature David P. Spencer 7/24/09 DATE Position with Lessee Manager of Regulatory Affairs

SW ¼ Sec 5 T 24N R 05E

Datum Elev. KB 862'

FORMATION RECORD

Well Number STITH S-1 SWD

FROM	TO	FEET	Note each change in formation, i.e., sand, lime shale, sandy shale, etc. & name key beds. Note character of each formation, i.e., color, hard, soft, caving, etc. Underreamed? Note contents of each formation, i.e., oil, gas, water, and kind of water – fresh, etc.
Surface	2103	2103	Red Bed & Shales
2103	2210	107	Osage Layton
2267	2320	53	Layton
2490	2550	60	Checkerboard
2667	2776	109	Big Lime
2798	2862	64	Oswego
3055	3194	139	Burbank
3194	3518	324	Mississippi Lime
3518	3560	42	Woodford
3560	3648	88	Wilcox
3648	4848	1200	Arbuckle

Must run and submit open hole logs sufficient to determine resistivity and porosity of all formations. Cased hole logs sufficient to correlate with open hole logs and determine cement bond quality.

Was well cored NO, enter core description, submit core analysis.

Copies of cementing service tickets should accompany this report.

Include drill stem, wire line, etc. test information.