

Handwritten initials and date: 2/3/09

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 6194
Name: ESP DEVELOPMENT INC.
Address: 1749B 250th Ave
City/State/Zip: Hays Ks 67601
Purchaser: d/a
Operator Contact Person: Lewis Eulert
Phone: (785) 625 6394
Contractor: Name: Western Well Service
License: 32128
Wellsite Geologist: none-OWWO

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

If Workover/Re-entry: Old Well Info as follows:

Operator: Frontier Oil Co
Well Name: Abbott #1
Original Comp. Date: 3-16-89 Original Total Depth: 3327'
 Deepening Re-perf. Conv. to Enhr./SWD
Plug Back 3307' Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

8-14-08 8-25-08 9-3-08
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 167-2283800-1
County: Russell
C NE NW SW Sec. 27 Twp. 11 S. R. 15 East West
2310' 2351 feet from (S) (N) (circle one) Line of Section
990' 4402 feet from (E) (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW (SW) *for GPS on 10/10/08*
Lease Name: Hagaman Well #4
Field Name: Hagaman North

Producing Formation: d/a
Elevation: Ground: 1829' Kelly Bushing: _____
Total Depth: 3337' Plug Back Total Depth: 3307'
Amount of Surface Pipe Set and Cemented at OWWO Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan P&A AH II NR
(Data must be collected from the Reserve Pit) 8-6-09
Chloride content fresh ppm Fluid volume 80 bbls
Dewatering method used evaporation
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: Lewis Eulert
Title: President Date: 2-3-09
Subscribed and sworn to before me this 3 day of Feb.
20 09.
Notary Public: Michele L Meier
Date Commission Expires: 7/28/09

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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FEB 04 2009

MICHELE L. MEIER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 7/28/09

Operator Name: ESP Development Inc. Lease Name: Hagaman Well #: #4
 Sec. 27 Twp. 11 S. R. 15 East West County: Russell

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 (Attach Additional Sheets) 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: <u>Cement Bond Log w/Gamma Correlation</u>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum OWWO no samples
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CASING RECORD <input 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
OWWO							

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 <input checked="" type="checkbox"/> Plug Well	3335 to surface	60/40 poz	290 sks	4% gel

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
	4 SPF	3300-3306'		swab back-all water	
2 spf	3198-02'		750 gal 15% NE		
2 spf	3082-85'		750 gal 15% NE no entry		
2 spf	3030-34		750 gal 15% NE retreat w/ 250 gal 20% MOD		
4 spf	2712-16'		1000 gal 15% MOD-flushed w/12 bbls oil		

TUBING RECORD N/A D/A		Size	Set At	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 Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

ESP DEVELOPMENT
HAGAMAN # 4
RUSSELL CO, KS.

8-14-08

Rigged up, ran 3 3 1/8 drill collars w/ new 3 7/8 bit on 2 3/8 tubing.
Started drilling at 103' FS. Drilled to 307' Cir. Clean. SD

8-15-08

Drilled to 795'. SD

8-18-08

Drilled to 1254'. SD

8-19-08

Drilled to 2058' SD

8-20-08

Drilled to 2770' SD

8-21-08

Drilled to 3317' on CIBP. SD

8-22-08

Drilled on CIBP for 2 1/2 hrs.. Made only 1' of hole. Lost cone off bit.
Pulled tubing, ran magnite and recovered pieces of cone. Ran new bit to
3300. SD

8-25-08

Over weekend we had entry of 1100' of fluid, 15 bbls w/ slight show of oil.
Rigged up and tried to drill out remaining iron. Could not get to drill,
pulled bit. Worn out bad, ran new bit and cleaned up iron and fell into open
hole of 7', cir. Clean and started drilling into new Arb frm Started drilling
at 3327-28 10 min.

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Page Two Hagaman #4

3329	8 min
3330	7 min
3331	12 min
3332	10 min
3333	5 min
3334	6 min
3335	3 min
3336	3 min
3337	6 min

The top 5' of samples looked good. The last 5' looked plain. Pulled bit into casing and rigged for swabbing. SD.

8-26-08

Fl at 750' from surface. Swabbed fluid recovered 44 bbls 14 bbls over volume. 1 hr test of 10 bbls fl w/ no show of oil. Pulled bit and laied out drill collars. Rigged up Mercury Wireline Ran strip log, flund TD at 3335. End of pipe at 3312 Top Of cement at 2550.

Set CIBP as low as possible at 3307. Perf Arb at 3300-06 w/ 4SPF.

Ran tubing and packer set Lock-set at 3225 end of tail pipe at 3352. Fl at 1000' FS Swabbed fluid down, well had entry of 500' w/ no show of oil. SD

8-27-08

Fl at 850' FS All water. Swabbed down. Swabed tested at 10 bbl per hr and 8.38 bbls per hr w/ no show of oil. Dirty iron sulfite water.. Pulled Pk and tubing. Rigged up Mercury wire line and set CIBP at 3280. Perf LKC at 3198-02 3082-85 3030-34 all 2 shots per ft. and Topeka at 2712-16 w/ 4 shots per ft FL at 1516 all runs. Ran packer and plug set over 3198-02 and swabbed down tested dry. SD

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Hagaman #4 page 3

8-28-08

Over night had 200' of entry into tubing, dirty water. Rigged up Allied Acid and spotted acid on perfs at 3198-02 Treated w/ 750 gal 15% NE and flushed w/ salt water. Max pres 500 min 200 Aavj 450# Avj rate 2.5 bpm ISIP 100# 7 min to vac. Total load 33 bbls SD recovered 15.5 bbls 1 hr 2/32 bbls w/ show of oil. 2nd hr .58 bbls w/ 15% oil.. Short load 15 bbls. Moved tools over 3082-85. Spotted acid and worked to get acid into zone. Had pressured to 1100 anw/ very small drop off.

Moved tools to cover 3030-34 Had to build to 1100 worked for 15 min started feed, Acidized w/ 500 gal 15% NE

Max pres 1100 min 200 avj pres 450 2 BPM avj

ISIP vac. Total load 27 bbls. Swab down fluid level at 2150 on frist swab run. SD 3.77 bbls 1 hr 2.9 bbls w/ slight show of oil 2 nd hr 2.9 bbls w/ show of oil. SD

8-29-08

Over night fill up 300' w/ show of oil. Swabbed fluid down 1 hr test 3.19 bbls w/ show of oil. Moved PK over 3080 zone and tested dry. Moved over 3030 zone and tested 3.97 bbls per hr, pulled as fast as possible. Moved tools over 3080 zone and rigged up Allied and treated zone w/ 250 gal 20% MOD. W/ 20% acid the zone broke down in 15 min. Max pres 1000 min 100 avj 2003 1/75 bpm ISIP Vac. SD 4.93 bbls. 1 hr test 8 bbls 2nd hr 5.67 bbls. 3rd hr 4.64 bbls. W/ no show of oil. Recovered all load water. SD

9-2-08

Overweekend had 500' of entry w/ no show of oil. Released tools and set Lock Set at 2738 and Rat 2717 Spotted acid on Topeka perfs at 2712-16.

Worked to get acid into perfs. Max pres 1500# would not break into.

Loaded annulus w/ water and respotted acid on perfs. Took only 500 to break into. Acidized w/ 1000 gal 15% MOD acid and flushed w/ 12 bbls oil

Total load of 42 bbls. Max pres 650# min 200# avj 500# Avj rate of 3.25 bbls. ISIP 300# 1 hr drop to 100. Closed well in and SD

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Hagaman #4 page 4

9-3-08

Fluid down 1000 from surface. Over Topeka Zone Swab down recovered
9.28 bbls 1 hr test 2.90 bbls 5% oil 2nd hr .87 bbls 15% oil 3rd hr 1.16
bbls 45% oil 4 ht hr 1.16 bbls w/ 35% oil Short 22 bbls of load.

NO pressure.

Pulled tools and rigged down. SD

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CONSERVATION DIVISION
WICHITA KS

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2110

Date	10-8-08	Sec.	27	Twp.	11	Range	15	Called Out		On Location		Job Start		Finish		
Lease	Hayman	Well No.	4			Location				County		State				
Contractor								Owner								
Type Job	PTA	Weld	TJ	3323			To Quality Oilwell Cementing, Inc.									
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.																
Hole Size	7 1/2	T.D.		207			Charge To									
Csg.	4 1/2	Depth		3320			ESD Development									
Tbg. Size		Depth					Street									
Drill Pipe		Depth					City State									
Tool		Depth					The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.		Shoe Joint														
Press Max.	500	Minimum														
Meas Line		Displace					USED 235 CEMENT									
Perf.							Amount Ordered 290 x 640 P02									
EQUIPMENT								Consisting of 490 GEL								
Pumptrk	No.	Cementer						Common								
		Helper						Poz. Mix								
Bulktrk	No.	Driver						Gel.								
		Driver						Chloride								
Bulktrk	No.	Driver						Hulls								
		Driver						Salt								
JOB SERVICES & REMARKS								Flowseal								
Pumptrk Charge																
Mileage																
Footage																
Total																
Remarks:																
<p> 290 Pump 235 x 640 P02 490 GEL w/ 400' Hulls </p>																
												Sales Tax				
												Handling				
												Mileage				
												Sub Total				
												Total				
Floating Equipment & Plugs																
Squeeze Manifold																
Rotating Head																
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Signature								<p> [Signature] </p>								