Shell Exploration & Production

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State of New Mexico
Energy, Minerals and Natural Resources Dept.
Oil Conservation Division-District 4
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
Attn.: Ed Martin, District-Supervisor

Shell Exploration & Production Co.
Regulatory Affairs-EP Americas
4582 S. Ulster Street Parkway
Suite 1400
Denver, Colorado 80237

September 27, 2011

Subject: Notice of Intention to Plug and Abandon
Shell Exploration & Production Co., Webb CD-1 (API No. 30-019-20134)
Guadalupe County, New Mexico

Dear Mr. Martin:

Shell Exploration & Production Company (Shell), as service provider to SWEPI LP in New Mexico, is submitting our Notice of Intention (Form C-103) to plug and abandon the subject well to New Mexico Oil Conservation Division-District 4 (OCD) for your review and approval.

If you have any questions or require any additional information regarding this request, please contact me at (303) 222-6347, or David Janney at AMEC in Albuquerque at (505) 821-1801.

Regards,

Michael L. Bergstrom
Senior Regulatory Advisor
Shell Exploration & Production Company

Attachments: Form C-103 w/wellbore diagram

Submit 1 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
October 13, 2009

WELL API NO. **30-019-20134**	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No. **NA**	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☐ Gas Well ☒ Other	7. Lease Name or Unit Agreement Name **Hage and Webb Land and Cattle, Inc.**
	8. Well Number **Webb CD-1**
2. Name of Operator **SWEPI LP**	9. OGRID Number **250036**
3. Address of Operator **P.O. Box 576 Houston, TX 77001**	10. Pool name or Wildcat **Wildcat**
4. Well Location Unit Letter **N** : **825+/-** feet from the **South** line and **1815 +/-** feet from the **West** line Section **25** Township **11 N** Range **23 E** NMPM County **Guadalupe**	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **4574 feet graded**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: CLOSE TEMPORARY PIT		OTHER:	☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Estimated start date for the work is October 1, 2011
Pertinent details are as follows:
Cap with P&A marker
Cut and retrieve 7 5/8" casing and cut off wellhead 6' BGL
Set 100' surface plug across all casing strings.
Cement retainer at 1,190'. Circulate 200' cement plug into both annuli. Set additional 200' plug above cement retainer.
Cement retainer at 3,290'. Circulate 200' cement plug into annulus. Set additional 200' plug above cement retainer.
Set 200' balance cement plug above previously set bridge plug.
Bridge plug set at 9360'.

Spud Date: March 29, 2006 Rig Release Date: March 21, 2008

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Michael L. Bergstrom TITLE: Senior Regulatory Advisor DATE: September 27, 2011

Type or print name: Michael L. Bergstrom E-mail address: Michael.Bergstrom@shell.com PHONE: (303) 222-6347

For State Use Only

APPROVED BY: Ed Martin TITLE DISTRICT SUPERVISOR DATE 10/24/2011
Conditions of Approval (if any):

B Perry
4-Nov-10

Mechanical Well Sketch

Webb CD # 1
Cuervo Field

Surface: 825' FSL, 1815' FWL, Sec 25, T11N, R23E
Surface Elevation: 4574' KB: 17' to GL
API#: 30-019-20134

	Casing	Depth (From-To)		Size	Wt	Grade	Burst	Collapse	Collar	Drift	ID	bbl/ft	Hole	Mud	Cement	TOC	Comments
CSG. Info	Surf	0	1,216	13 3/8	54.5	J-55	2730	1130		12.459	12.615	0.1546	17.5	8.3	750 sx	Surface	Bumped Plug, Floats Held, Full returns
	Prot	0	3,315	9 5/8"	36	J55	3520	2020	STC	8.765	8.921	0.0773	12.25	8.7 WBM	825 sx	?	No losses assume to surface casing
	Prod	0	10,926	5-1/2"	17	P-110	10640	7460		4.767	4.892	0.0232	7.875	13.5	500 sx	7600 CBL	Bumped Plug, Floats Held, Full returns
	Prod	0	10,879	2-7/8"	7.9	L80	13450	13890	RTS-6	2.229	2.323	0.00524					

No Flags in 5 1/2" casing. 2-7/8" Marker Joints: 9,246', 10,132'.

TBG Info	Depth	Size	Wt.	Grade	Coupling	Drift	Burst	Collapse	ID	bbl/ft	Other
	10864'	2 7/8"	7.9#	L80	RTS6	2.229"	13,450	13,890	2.323"	0.00524	Cemented

LNDG NIPPLE	Depth	Size	MFG	TYPE	Profile ID	NO GO ID
	none					

PACKER DETAIL

Depth	Type	Bore

Upper Tree:	2 9/16" 5k
Lower Tree:	2-9/16", 5K
Tbg Spool:	7-1/16", 5k

Note: Tubing hanger is prepared w/ threads for a 2" CIW backpressure valve.

Stage	Perf Top	Perf Bot	Shots	Status	Rate (bbl/min)	Date Frac'ed	F.G.	Proppant Information: size	Type	Lbs	mm/yy	BHP	BHT
12	9,462	9,464	12	OPEN	20	15-Feb-10	0.563	-	0	0	Nov-09		
	9,480	9,482	12				by TVD	30/50	Bulk Sand 30/50	165,000			
	9,524	9,526	12										
	9,533	9,535	12				Pumped 500 gals of 7.5% HCl ahead of breakd						
11	9,584	9,586	12	OPEN	19	14-Feb-09	0.523	-	0	0	Nov-09		
	9,601	9,603	12				by TVD	30/50	Bulk Sand 30/50	130,000			
	9,619	9,621	12										
	9,646	9,648	12				Pumped 500 gals of 7.5% HCl ahead of breakdown						
10	9,682	9,684	12	OPEN	19	14-Feb-10	0.613	-	-	0	Nov-09		
	9,715	9,717	12				by TVD	30/50	Bulk Sand 30/50	255,000			
	9,732	9,734	12										
	9,764	9,766	12										
							Pumped 500 gals of 7.5% HCl ahead of breakdo						
9	9,837	9,839	12	OPEN	19	13-Feb-10	0.613	-	0	0	Nov-09		
	9,847	9,849	12				by TVD	30/50	Bulk Sand 30/50	270,000			
	9,864	9,866	12										
	9,884	9,886	12										
	9,902	9,904	12				Pumped 500 gals of 7.5% HCl ahead of breakdow						
8	9,941	9,943	12	OPEN	20	12-Feb-10	0.609	-	0	0	Nov-09		
	9,950	9,952	12				by TVD	30/50	Bulk Sand 30/50	181,000			
	9,990	9,992	12										
	10,001	10,003	12										
	10,017	10,019	12										
	10,030	10,032	12				Pumped 500 gals of 7.5% HCl ahead of breakdown						
7	10,069	10,071	12	OPEN	17	11-Feb-10	0.585	-	0	0	Nov-09	4,765	186
	10,094	10,096	12				by TVD	30/50	Bulk Sand 30/50	101,000			
	10,104	10,106	12										
	10,120	10,122	12										
	10,134	10,136	12				Pumped 500 gals of 7.5% HCl ahead of breakdown. Went to flush early due to rising pressure - placed 67% of planned job						
	10,152	10,154	12										
6	10,213	10,215	12	OPEN	20	10-Feb-10	0.607	-	-	0	Nov-09	4,843	187
	10,223	10,225	12				by TVD	30/50	Bulk Sand 30/50	114,000			
	10,257	10,259	12										
	10,266	10,268	12										
	10,278	10,280	12				Pumped 500 gals of 7.5% HCl ahead of breakdown						
5	10,334	10,336	12	OPEN	19	9-Feb-10	0.618	-	-	0	Nov-09	4,908	189
	10,342	10,344	12				by TVD	30/50	Bulk Sand 30/50	165,000			
	10,364	10,366	12										
	10,396	10,398	12				Pumped 500 gals of 7.5% HCl ahead of breakdown						
4	10,450	10,452	12	OPEN	19	8-Feb-10	0.553	-	-	0	Nov-09	4,979	190
	10,467	10,469	12				by TVD	30/50	Bulk Sand 30/50	78,500			
	10,494	10,496	12										
	10,506	10,508	12				Pumped 500 gals of 7.5% HCl ahead of breakdown. Went to flush early due to rising pressure - placed 75% of planned job						
	10,535	10,537	12										
3	10,572	10,574	12	OPEN	25	7-Feb-10	0.594	-	-	0	Nov-09	5,048	191
	10,598	10,600	12				by TVD	30/50	Bulk Sand 30/50	69,200			
	10,623	10,625	12										
	10,632	10,634	12				Pumped 500 gals of 7.5% HCl behind breakdown. Went to flush early due to rising pressure - placed 71% of planned job						
	10,648	10,650	12										
2	10,683	10,685	12	OPEN	24	6-Feb-10	0.64	-	-	0	Nov-09	5,106	192
	10,694	10,696	12				by TVD	30/50	Bulk Sand 30/50	111,500			
	10,704	10,706	12										
	10,724	10,726	12										
	10,734	10,736	12										
1	10,782	10,784	12	OPEN	20	5-Feb-10	0.644	-	-	0	Nov-09	5,150	193
	10,801	10,803	12				by TVD	30/50	Bulk Sand 30/50	136,000			
	10,809	10,811	12				Went to flush early due to rising pressure - placed 95% of planned job						

Cement retainer at 1,190'. Circulate 200' cement plug into both annuli. Set additional 200' plug above cement retainer.

Cement retainer at 3,290'. Circulate 200' cement plug into annulus. Set additional 200' plug above cement retainer.

Set 200' balance cement plug above previously set bridge

Set 100' surface plug across all casing strings.

13-3/8" @ 1,216' (tally)

9-5/8" @ 3,315' (tally)

BP set @ 9360' 9/10

Stage 12
Stage 11
Stage 10
Stage 9
Stage 8
Stage 7
Stage 6
Stage 5
Stage 4
Stage 3
Stage 2
Stage 1

2.7/8 7.9# EOT @10,864'

5.1/2" 17# 10,926'

PBTD = 10,831' (correlated) 1/30/10

BHT: 194 deg F (CBL)

CTCO PBTD: 10,822'
FC: 10,879' (tally)
FS: 10,926' (tally)
TMD: 10,927' (drill)
TVD: 10,865' (drill)