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State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

Online Phone Directory Visit:
<https://www.emnrd.nm.gov/ocd/contact-us/>

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

WELL API NO. 30-025-26426
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 332786
7. Lease Name or Unit Agreement Name El Paso Plant
8. Well Number #001
9. OGRID Number 373817
10. Pool name or Wildcat Langley Mattix Field
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,305.8 Ground Level

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

2. Name of Operator
Energy Acumen LLC

3. Address of Operator
10103 Gutierrez Rd NE Albuquerque, NM 87111

4. Well Location
Unit Letter L : 1950 feet from the South line and 660 feet from the West line
Section 32 Township 23S Range 37E NMPM County Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Proposed Abandonment Program details are attached. Estimated date of starting proposed work as early as October 2025.

Spud Date:

Rig Release Date:

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

SIGNATURE Samantha Baker TITLE SGWS Legacy Program Manager DATE 10/09/2024

Type or print name Samantha Baker E-mail address: Samantha.D.Baker@shell.com PHONE: 970-274-3411

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____

**El Paso Plant 1
Abandonment Program
API Number: 30-025-26426
Langley Mattix Field**

Date: 9.23.2024

Comments:

9/27/1979: Spudded well and drilled well to 3300'. Installed production casing at 3300' and cemented in-place. Perforated F/3002' – T/3172'.

Notes:

Note 1: Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.

Note 2: NM EMNRD/OCD Conditions of Approval dated January 1, 2024, Item 7 establishes cement class based on the following table. The cement class to be used will be determined by the service provider.

Class	TVD Lower Limit (feet)
Class A/B	6,000
Class I/II	6,000
Class C or III	6,000
Class G and H	8,000
Class D	10,000

Note 2a: Cement volumes for this abandonment program are calculated in Cubic Feet (CF). The number of sacks of cement to be used should be determined by the service provider based on the class cement the service provider chooses to use.

Note 3: Fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water:

- North, water or mud laden fluids
- South, mud laden fluids

Note 4: See 19.15.16.12 For BOP requirements.

Note 5: El Paso Plant 1 is in T23S, R37E. Per Figure D1 map T23S, R37E is in the Central Basin Platform. Figure D2 illustrates the formations in the Central Basin Platform area to be isolated with cement plugs. Formations required to be isolated include the Seven Rivers, Yates, Base of Salt Section and Rustler (AKA anhydrite).

El Paso Plant 1 Abandonment Program

El Paso Plant 1 Abandonment Procedure

1. Excavate and expose all bradenheads, verify all valves are operational prior to rigging up operations.
2. MIRU abandonment rig. Install Class II 2M BOPE with hydraulic controls on 5-1/2", 15.5 casing, during abandonment operations with 2" kill line rated to 2000 psi per permit instructions. It will be maintained in operating condition and meet the following minimum guidelines:
 - a. Class II 2M with hydraulic controls during abandonment operations.
 - b. A 2M lubricator for wireline operations.
 - c. BOPE prevention drills will be conducted and recorded on the tour sheet.
 - d. Hole fluid of a quality and in sufficient quantity to control subsurface conditions.
3. Un-land tubing, release packer set and pull out of well with tubing and packer. Lay down tubing and packer.
4. Pick-up work string.
5. Run in well with bit and casing scraper for 5-1/2", 15.5# casing on work string 2975'. Make several passes with bit and scraper F/2975' – T/2900'. Circulate well clean. Pull out of well and lay down casing scraper and bit.
6. Run in well with CIBP for 5-1/2", 15.5# casing on work string to 2950' (52' above top perforation at 3002'). Set CIBP at 2950'. Release from CIBP at 2950'. Circulate well clean. Pull out well with work string.
7. MIRU wireline unit, install and test lubricator. Run in well with Radial Cement Bond Log (RCBL). Tag top of CIBP at 2950'. Log 5-1/2" casing F/2950' – T/Surface. Email RCBL to NM Compliance Officer Supervisor and Shell Project Engineer for review. Determine if any perforating and cement squeezing will be required for abandonment operations.
8. Lay down RCBL, RDMO wireline unit.
9. Run in well with open ended work string to tag top of CIBP at ±2950'.
10. MIRU cementers, test lines. Place 330' cement plug F/2950' (top of CIBP) – T/2620' with 44 CF of neat cement (includes 10% excess). Pull out of well with work string to 2100', circulate tubing clean, estimated top of cement ± 2620'. Wait on cement and tag top of cement plug.
11. Lower open ended work string and tag top of cement plug at ±2620'. Shut well in and pressure test 5-1/2", 15.5# casing to 300 psi for 15 minutes. Notify NM Compliance Officer Supervisor and Shell Project Engineer of pressure test results. If pressure test fails pull out of well with open ended work string.

El Paso Plant 1 Abandonment Program

12. Run in well with test packer for 5-1/2", 15.5# casing on work string and locate leak and establish injection rate and pressure. Notify NM Compliance Officer Supervisor and Shell Project Engineer of injection rate and pressure results and review possible squeeze cementing operations.
13. Load well with 35 bbls of abandonment fluid F/2620' - T/1170'. **See Note 3 above, or Item 5** (of the NMOCD Standard Plugging Conditions) regarding fluids to be placed between cement plugs.
14. Pull out of well with open ended work string to 1220'.
15. MIRU cementers, test lines. Place 165' cement plug F/1220' – T/1055' with 22 CF of neat cement (includes 10% excess). Pull out of well with work string to 700', circulate work string clean, estimated top of cement ±1055'. Wait on cement to set and tag top of cement plug.
16. Run in well with open ended work and tag top of cement plug at ±1055'.
17. Load well with 9 bbls of abandonment fluid F/1055' - T/700'. **See Note 3 above, or Item 5** (of the NMOCD Standard Plugging Conditions) regarding fluids to be placed between cement plugs.
18. Pull out of well with work string to 750'.
19. MIRU cementers, test lines. Place 165' cement plug F/750' – T/585' with 22 CF of neat cement (includes 10% excess). Pull out of well with work string to 400', circulate work string clean, estimated top of cement ± 585'. Wait on cement to set and tag top of cement plug.
20. Run in well with open ended work and tag top of cement plug at ±585'.
21. Load well with 5 bbls of abandonment fluid F/585' - T/400'. **See Note 3 above, or Item 5** (of the NMOCD Standard Plugging Conditions) regarding fluids to be placed between cement plugs.
22. Pull out of well with work string to 468'.
23. Surface casing is set 418'. MIRU cementers, test lines. Place 468' cement plug F/468' – T/surface' with 63 CF (11 bbls) of neat cement (no excess included). Pull out of well. Estimated top of cement surface. Wait on cement to set and observe TOC plug. If cement "falls" top off cement as necessary.
24. Rig down and move out workover rig.
25. All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). Install surface cap and well marker.

El Paso Plant 1 Abandonment Program

26. The operator shall mark the exact location of plugged and abandoned wells with a steel marker not less than four inches in diameter set in cement and extending at least four feet above mean ground level. The marker must include the below information:

- i. 1. Operator name
- ii. 2. Lease name and well number
- iii. 3. API number
- iv. 4. Unit letter
- v. 5. Section, Township and Range

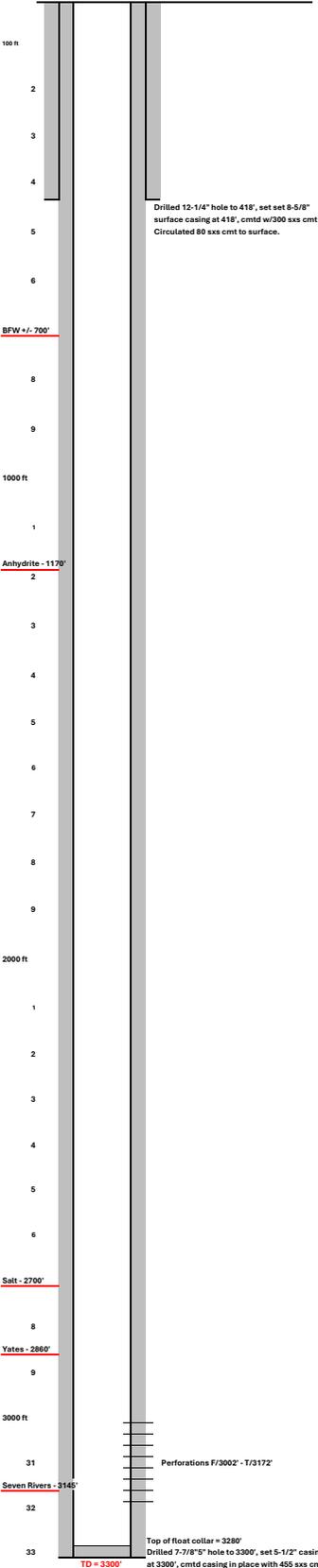
27. Backfill cellar.

El Paso Plant 1
 ID# 04-025-26426

County: Lea, NM
 Field: Langley-Mattix (Sec 32, T23S, R37E)

Current WBD

Elevation of GL	3305.8	above SL
KB	11.4'	to GL
TD	3300'	
BFW	700'	
Spud Date:	8/27/1979	
Directional Drilled:	Vertical	



Drilled 12-1/4" hole to 418', set set 8-5/8" surface casing at 418', cmt'd w/300 sxs cmt. Circulated 80 sxs cmt to surface.

Junk/Plugs

Original drill well (8/27/1979 - 10/3/1979)

Drilled 12-1/4" bore hole, set 8-5/8", 23# K-55 surface casing at 418', cmt'd with 300 sxs cmt, circulated 80 sxs of cmt to pit.

TOC = surface. Cmt blend: Class "C" cmt w/2% salt

Drilled 7-7/8" bore hole to 3300', ran 5-1/2", 15.5# csg set at 3300', cmt'd with 455 sxs cmt, circulated 45 sxs cmt to pit.

Cmt Blend: Halliburton (Econolite) Lite, 1/4 lb F.C. per ax, 250 sxs 90-50 Pozmix w/ 5lbs salt per sa and 1/4 lb F.C. per ax.

Perforations: 3002', 3008', 3020', 3028', 3035', 3044', 3051', 3058', 3067', 3108', 3127', 3134', 3172'.

Frac w/50,000 gals fluid, 101,000 lbs sand

Acid perforations w/4000 gals 15% MCA

Frac w/50,000 gals fluid, 101,000 lbs sand

BFW reference information:

1963 Transcript 2868, Pg 15 - Surface casing will be set to a depth sufficient to protect all fresh water zones (approximately 700 feet).

Geology & Ground-Water Conditions in Southern Lea County, New Mexico., Ground-Water Report 6

Water well No. 1 (28-27-7-331) at the Jal No. 1 Plant of the El Paso Natural Gas Co. is typical of wells which derive water from the Triassic formations. It is 476 feet deep and it penetrates four water bearing intervals between 215 and 465 feet.

Current Hole and Casing Information

Hole	Casing	WPF	Top	Bottom	CF	Sacks	ETOC	Comments
Original well								
12-1/4"	8-5/8"	23.0	Surface	418'		300	Surface	Circ. 80 sxs
7-7/8"	5-1/2"	15.5	Surface	3280'		455	Surface	Circ. 45 sxs

Zones of Interest

Formation	Top
BFW	+/- 700'
Rustler/Anhydrite	1170'
Salt	2700'
Yates	2860'
Seven Rivers	3145'

Perforations

	Top	Bottom	Top	Bottom
Yates - Seven Rivers	3002'	3172'		

Perforations F/3002' - T/3172'

Top of float collar = 3280'
 Drilled 7-7/8" hole to 3300', set 5-1/2" casing at 3300', cmt'd casing in place with 455 sxs cmt. Circulated 45 sxs cmt to surface.

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan-Grisham
Governor

Melanie A. Kenderdine
Cabinet Secretary-Designate

Benjamin Shelton
Deputy Secretary (Acting)

Gerasimos Razatos, Division Director (Acting)
Oil Conservation Division



BY ELECTRONIC MAIL

Megan Abutin
Project Engineer
Langan
924 Anacapa Street
Suite 2X
Santa Barbara, CA 93101
mabutin@langan.com

Re: Oil Conservation Division Authorization for Shell/Langan to Plug and Abandon Well(s)

Dear Ms. Abutin :

The Oil Conservation Division (“OCD”) received your request of July 29, 2024, requesting authorization for Shell Western E& P Company (“Shell”) and its consultant Langan, to plug and abandon the following well: El Paso Plant #001 (API 30-025-26426). Energy Acumen LLC, (“EA”) is the registered operator of this well and Shell is the leaseholder where the well is located. As the leaseholder, Shell may be deemed a responsible operator for purposes of plugging and remediation activities or for indemnification of costs incurred by OCD for such activities.

On March 10, 2022, OCD issued Agreed Compliance Order (“ACOI”) ACOI-201941, setting forth plugging compliance deadlines to be met by EA. That ACOI is incorporated herein as though set forth in full. On March 28, 2023, OCD notified EA that it is out of compliance with that ACOI and pursuant to paragraph 21 of the ACOI OCCD is authorized to plug and abandon certain wells, including the well listed above.

OCD hereby authorizes Shell and its consultant Langan, to plug and abandon the above-identified well on OCD’s behalf pursuant to its authority under ACOI-201941.

Please contact Assistant General Counsel, Christy Treviño at (505)-607-4524 or Christy.Trevino@emnrd.nm.gov , with questions, including the submission of plugging sundries as OCD will not be transferring operatorship to you and will need to place the plugging sundries into the well files.

Regards,

Gerasimos Razatos
Director (Acting)

8/29/2024

Date

cc: EMNRD-OGC
Langan/Shell representatives–
clavoic@langan.com
samantha.d.baker@shell.com
carrie.bogle@shell.com

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 1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 391147

CONDITIONS

Operator: Energy Acumen LLC 10103 Gutierrez Rd NE Albuquerque, NM 87111	OGRID: 373817
	Action Number: 391147
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify NMOCD 24 hours prior to beginning P&A operations.	10/9/2024
loren.diede	CBL is to be submitted into NMOCD Imaging via Electronic Permitting.	10/9/2024
loren.diede	NMOCD does not consider this well to be within LPCH restricted area and an above-ground P&A marker is required.	10/9/2024
loren.diede	Submit P&A marker photos and GPS coordinates with the C-103P subsequent P&A report.	10/9/2024