<u>District I</u> 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office

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Pit Closed-Loon System Relow-Grade Tank or

11t, Closed-Loop System, Delow-Oracle Talik, of
Proposed Alternative Method Permit or Closure Plan Application
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of hability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances
Operator EnerVest Operating, LLC OGRID #143199
Address1001 Fannin St Ste 800 Houston, Texas 77002
Facility or well nameHunsaker 725 S
API Number 30-045-32526 OCD Permit Number Pending
U/L or Qtr/Qtr E Section 26 Township 31N Range 09W County San Juan
Center of Proposed Design Latitude36 872280 Longitude107 756111 NAD ☐ 1927 ☒ 1983
Surface Owner 🛮 Federal 🗌 State 🔲 Private 🔲 Tribal Trust or Indian Allotment
Pit: Subsection F or G of 19 15 17 11 NMAC Permanent Emergency Cavitation P&A Lined Unlined Liner type Thickness mil LLDPE HDPE PVC Other String-Reinforced Liner Seams Welded Factory Other Volume bbl Dimensions Oll CONWDIV DIST 3D Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Permanent Emergency Cavitation P&A Permanent Emergency Cavitation P&A Closed-loop System: Subsection H of 19 15 17 11 NMAC Permanent Emergency Cavitation P&A Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H o
Type of Operation P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other
Lined Unlined Liner type Thicknessmil LLDPE HDPE PVC Other
Liner Seams
Below-grade tank: Subsection I of 19 15 17 11 NMAC PERMIT EXISTING BELOW -GRADE TANK Volume 120 bbl Type of fluid Primarily produced water w/ compressor skid precipitation & incidental lubricating oil Tank Construction material Steel Open-top w/ expanded metal cover Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Visible sidewalls, liner, 6" lift & electronic monitoring Liner type Thickness 20 mil HDPE PVC Other
S Alternative Method:

Submittal of an exception request is required

Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

6	
Fencing: Subsection D of 19 15 17 11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church)	hospıtal,
☐ Four foot height, four strands of barbed wire evenly spaced between one and four fect	
Alternate Please specify42" Hog-wire fence with 2 strands barbed-wire on top	
Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) Screen □ Netting □ Other	
Monthly inspections (If netting or screening is not physically feasible)	
8	
Signs: Subsection C of 19 15 17 11 NMAC	
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
Signed in compliance with 19 15 3 103 NMAC	
9 Administrative Approvals and Exceptions:	
Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance	
Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s) Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau of the Santa Fe Env	office for
consideration of approval Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	
Siting Criteria (regarding permitting): 19 15 17 10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptance for each siting criteria below in the application.	
material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appro- office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a	
Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dryi	
above-grade tanks associated with a closed-loop system.	✓ Yes
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	☐ Yes ☒ No
- Topographic map, Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to temporary, emergency, or cavitation pits and below-grade tanks)	☐ Yes ☑ No ☐ NA
- Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application	☐ Yes ☐ No 図 NA
(Applies to permanent pits) - Visual inspection (certification) of the proposed site, Acrial photo, Satellite image	_
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☑ No
watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database search, Visual inspection (certification) of the proposed site	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	☐ Yes 🏻 No
- Written confirmation or verification from the municipality, Written approval obtained from the municipality	
Within 500 feet of a wetland	☐ Yes ☑ No
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological	☐ Yes ☒ No
Society, Topographic map	
Within a 100-year floodplain - FEMA map	☐ Yes 🛛 No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
Previously Approved Design (attach copy of design) API Number
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15 17 9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17 9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19 15 17 10 NMAC Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
Previously Approved Design (attach copy of design) API Number
Previously Approved Operating and Maintenance Plan API Number (Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19 15 17 9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19 15 17 11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19 15 17 11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
Proposed Closure: 19 15 17 13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type
Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. ☐ Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15.17 13 NMAC ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Instructions: Please indentify the facility or facilities for the disposal of liquids, facilities are required.		
Disposal Facility Name	Disposal Facility Permit Number	
Disposal Facility Name	Disposal Facility Permit Number	
Will any of the proposed closed-loop system operations and associated activities of Yes (If yes, please provide the information below) No	ccur on or in areas that will not be used for future serv	vice and operations?
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	e requirements of Subsection H of 19 15 17 13 NMA 1 I of 19 15 17 13 NMAC	C
Siting Criteria (regarding on-site closure methods only): 19 15 17 10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the provided below. Requests regarding changes to certain siting criteria may requi considered an exception which must be submitted to the Santa Fe Environmenta demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	re administrative approval from the appropriate dist al Bureau office for consideration of approval. Justi	rict office or may be
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Da	a obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Da	ta obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Da	ta obtained from nearby wells	☐ Yes ☐ No☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig- lake (measured from the ordinary high-water mark) - Topographic map, Visual inspection (certification) of the proposed site	gnificant watercourse or lakebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church - Visual inspection (certification) of the proposed site, Aerial photo, Satellit	n in existence at the time of initial application e image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or - NM Office of the State Engineer - iWATERS database, Visual inspection	spring, in existence at the time of initial application	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh wat adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written appro	•	☐ Yes ☐ No
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visu	al inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Minin	g and Mineral Division	☐ Yes ☐ No
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geolog Society, Topographic map	y & Mineral Resources, USGS, NM Geological	☐ Yes ☐ No
Within a 100-year floodplain - FEMA map	,	☐ Yes ☐ No
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the a Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19 1 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	quirements of 19 15 17 10 NMAC f Subsection F of 19 15 17 13 NMAC ppropriate requirements of 19 15 17 11 NMAC pad) - based upon the appropriate requirements of 19 5 17 13 NMAC quirements of Subsection F of 19 15 17 13 NMAC Subsection F of 19 15 17 13 NMAC drill cuttings or in case on-site closure standards cann H of 19 15 17 13 NMAC	15 17 11 NMAC

Operator Application Certification:		
I hereby certify that the information submitted with this application is true, ac	curate and complete to the	best of my knowledge and belief
Name (Print)Ronnie L Young		
Signature L. L. Source	Date	5.19-10
e-mail addressryoung@enervest net	Telephone	713-495-6530
OCD Approval: Permit Application (including flosure plan), Closur	e Plan (only)	onditions (see attachment)
OCD Representative Signature:		_ Approval Date: 1/17/2012
Title: Compliance Officer		r:
Closure Report (required within 60 days of closure completion): Subsects Instructions: Operators are required to obtain an approved closure plan pri The closure report is required to be submitted to the division within 60 days section of the form until an approved closure plan has been obtained and the	or to implementing any clo of the completion of the clo	osure activities and submitting the closure report. osure activities. Please do not complete this
	☐ Closure Comple	etion Date:
Closure Method: ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Altered If different from approved plan, please explain	ernative Closure Method [☐ Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop System Instructions: Please indentify the facility or facilities for where the liquids, two facilities were utilized.		
Disposal Facility Name	Disposal Facility Perr	mit Number
Disposal Facility Name	Disposal Facility Perr	mit Number
Were the closed-loop system operations and associated activities performed or Yes (If yes, please demonstrate compliance to the items below) No		e used for future service and operations?
Required for impacted areas which will not be used for future service and ope Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	rations	
24 Closure Report Attachment Checklist: Instructions: Each of the followin.	g items must he attached to	o the closure report. Please indicate, by a check
mark in the box, that the documents are attached. □ Proof of Closure Notice (surface owner and division) □ Proof of Deed Notice (required for on-site closure) □ Plot Plan (for on-site closures and temporary pits) □ Confirmation Sampling Analytical Results (if applicable) □ Waste Material Sampling Analytical Results (required for on-site closure) □ Disposal Facility Name and Permit Number □ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique □ Site Reclamation (Photo Documentation)	re)	
On-site Closure Location Latitude Loi	ngitude	NAD 1927 1983
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure belief I also certify that the closure complies with all applicable closure requirements.	rements and conditions spe	ecified in the approved closure plan
Name (Print)	Title	
Signature	Date	
e-mail address	Telephone	

EnerVest Operating, LLC (EV)

BELOW-GRADE TANK DESIGN AND CONSTRUCTION SPECIFICATIONS

Rule 19.15.17.11

- C. Enervest Operating is the official operator of record for all wells which have below-grade tanks to be addressed in this specification. All below-grade tanks are located on these leases and will be in full compliance with 19.15.16.8 regarding signage.
- D. EV will ensure a fence shall be constructed and maintained in good repair with gates that are closed and locked when responsible personnel are not on site. EV shall insure that all gates are closed and locked when responsible personnel are not on-site.

If the below-grade tank is located within 1,000 feet of a permanent residence, school, hospital, institution or church, the fence shall be a chain link security fence at least 6 feet in height with at least two strands of barbed wire on top.

If the below-grade tank is not within 1,000 feet of the above mentioned structures, the fence shall constructed to exclude livestock with at least four strands of barbed wire evenly spaced between one foot from the ground and four foot above the ground.

EV is requesting administrative approval to use a 42" Hog wire fence with 2 strands barbed-wire on top in lieu of the required four strand barbed wire fence. This will be supported with iron posting at the corners and 10 - 12 feet apart. EV believes this will offer better protection for wildlife in these tank areas. Please refer to Exhibit 2.1 of this Section.

- E. EV shall ensure an open top tank is screened with expanded 3/16" metal screen or a fully closed top, both of which are welded on the top of the tank. Such screening will be painted to blend with the below-grade tank. EV believes this is sufficient strength to protect migratory birds or other wildlife
- I. EV will ensure all below-grade tanks will be constructed of 3/16" steel, resistant to the tank's contents and to damage from sunlight. Based on water production and road condition for access during the winter months there are a choice of three different sizes which could be used:

CAPACITY DIAMETER HEIGHT

125 bbl	15'	4'
120 bbl	12'	6'
100 bbl	12'	5'

This tank will contain liquids and should prevent contamination of fresh water to protect the public health and environment.

The below-grade system will include a excavated area for the tanks which will be dependent upon the size of the tank used:

```
18' x 18' x 4' High Square excavated area
18' Diameter x 4' High Circular excavated area
18' Diameter x 5' High Circular excavated area
```

Most of our below-grade tank systems were installed prior to June 16, 2008 and are 16.5' x 16.5' x 4' square excavated area design. As tanks are retro fitted, this will be changed to one of the above. The particular area and well conditions will determine which design best for that particular well. EV will ensure that there will be room to walk around the tank inside the containment area which will better enable our field personnel to inspect for damage to liners or incidental leaks. Please refer to tank diagram under Exhibit 2.2 of this section for details.

All excavated areas will be reinforced with metal walls to prevent collapse. There will be sufficient open area on all sides of the tank to witness any incidental release that may occur. Please refer to tank diagram under Appendix 8.

EV will ensure the base of any excavated area containing a below-grade tank will be level and free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom.

EV will ensure that any geomembrane liner used shall consist of 30-mil flexible PVC or 60-mil HDPE liner or equivalent liner material. The liner shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salt and acidic and alkaline solutions and shall be resistant to ultraviolet light. The liner shall have a hydraulic conductivity no greater than 1 x 10 -9 cm/sec The liner shall be compatible with EPA SW-846 method 9090A. EV will install the liner in such a manner as to divert any possible leak for visual inspection. EV will demonstrate to the OCD that the liner complies with the specifications within Subparagraph (a) of Paragraph (4) of Section I of 19.156.17.11 NMAC and obtain approval from the division prior to the installation of the new design.

EV is requesting administrative approval to use an equivalent liner. The "Dura-Skirm J45 BB" is a 45-mil reinforced liner which we feels offers the same or better protection as the required 60-mil liner as indicated above. Please refer to Exhibit 2.3 of this Section for the specification sheets for this liner.

EV will ensure the fluid levels of tanks will be monitored by automatic high level alarms at 24" from the top and shut-off devise at 10 1/2 inches from the top of the

tank. The tanks will be also equipped with a manual shut-off valve in the event it is needed. Please see design specification sheet of this system in this section. The majority of our below-grade tanks are within the berm around our tank battery and as so are protected from run-on water. Those outside this berm will be protected with an earthen berm which will extend at least 6" above surface ground level to divert run-on around the tank. The side walls of the excavated area will extend at least 6" above the ground level to divert run-on water around the tank. Any possible leak will be diverted, on the liner, in such a way can be visually inspected. Please refer to Exhibit 2.4 of this Section for details of this automatic shut-off system.

EV tank design will be a single walled tank constructed to ensure that the side walls are open for visual inspection for leaks; the bottom will be elevated six inches above the ground surface and will contain a geomembrane liner, as described above, directly on the ground level of the containment area.

Once a below-grade tank which was installed prior to June 16, 2008 does not demonstrate integrity, EV shall promptly repair or remove that below-grade tank and close the tank or install a below-grade tank that is in full compliance with Paragraph 1 thru 4 of Section I of 19.15.17.11 NMAC. EV shall comply with the operational requirements of 19.15.17.12 NMAC. Please refer to tank diagram under Appendix 8 for details

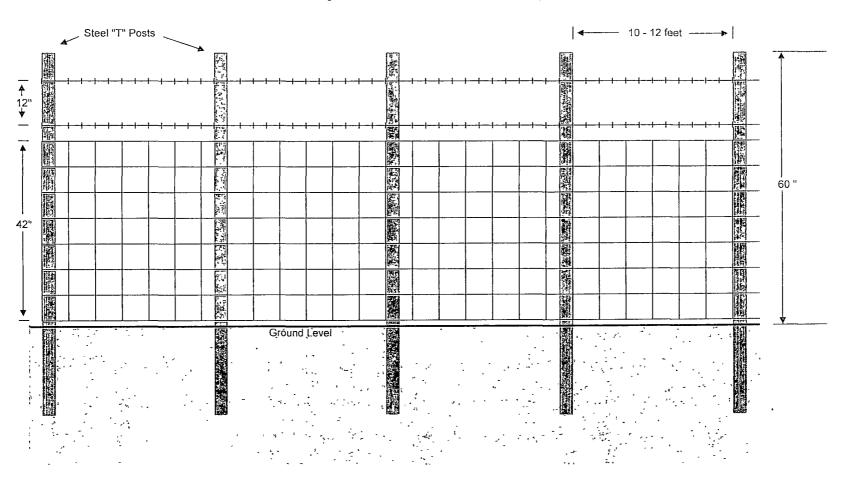
Any single walled below-grade tank installed before June 16, 2008 where any portion of the tank sidewall is below the ground surface and not totally visible shall be closed, retrofited or replaced before June 15, 2013. EV will fully comply with Paragraph 1 thru 4 of Section I of 19.15.17.11 NMAC for all retrofitting or replacement of below-grade tanks.

ENERVEST OPERATING, LLC

Proposed Alternative Fencing

Below-Grade Tank Construction

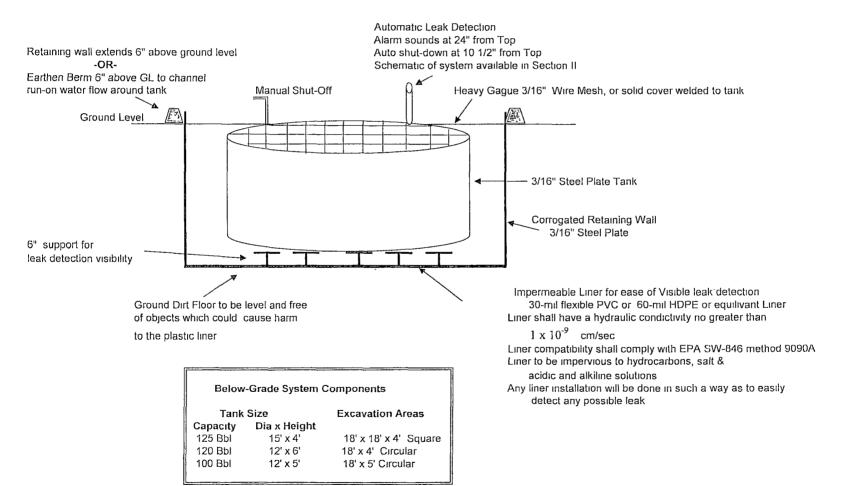
42" Hogwire Fence with 2 strands barbed-wire on top





Below-Grade Tank System

Gravity Fed - Produced Water



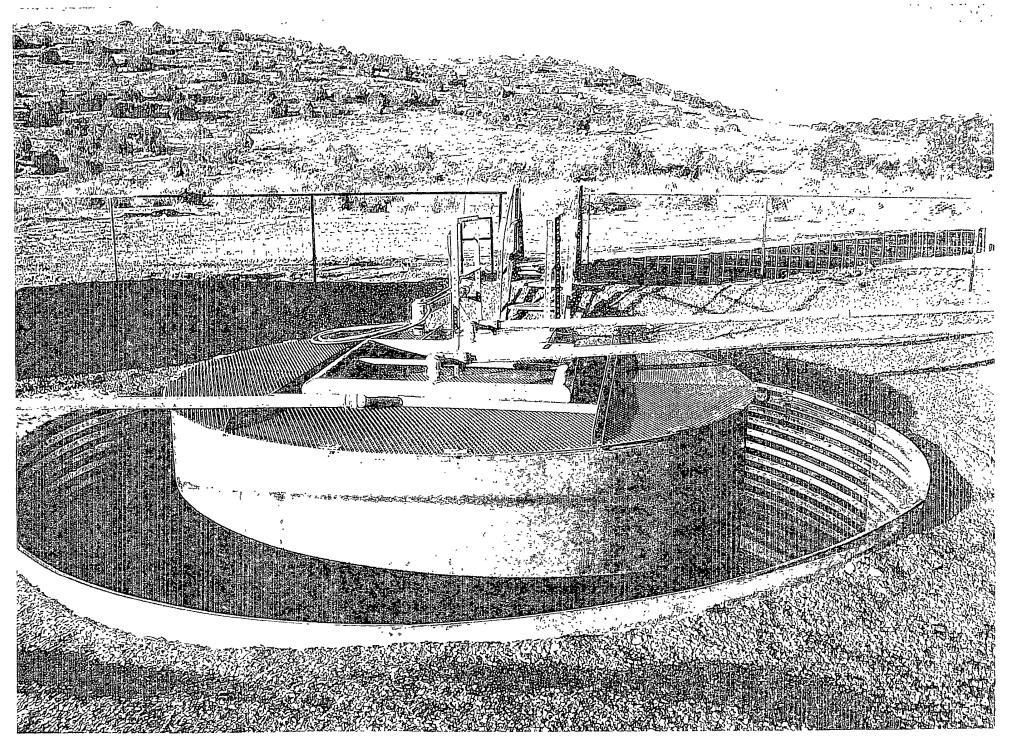


Exhibit 2.2 pg 2

Exhibit 2.2 pg

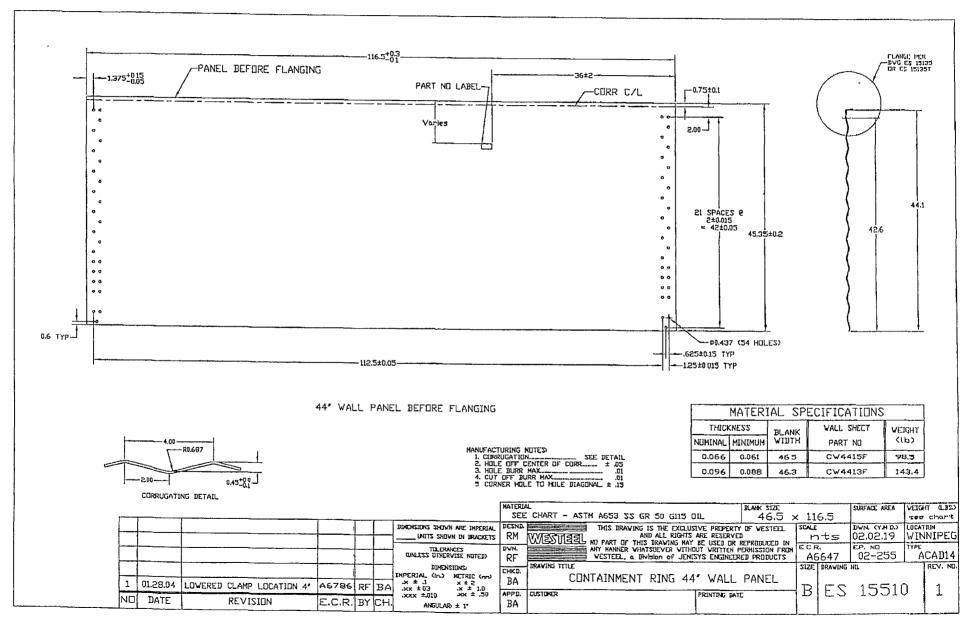


Exhibit 2.2 pg 4

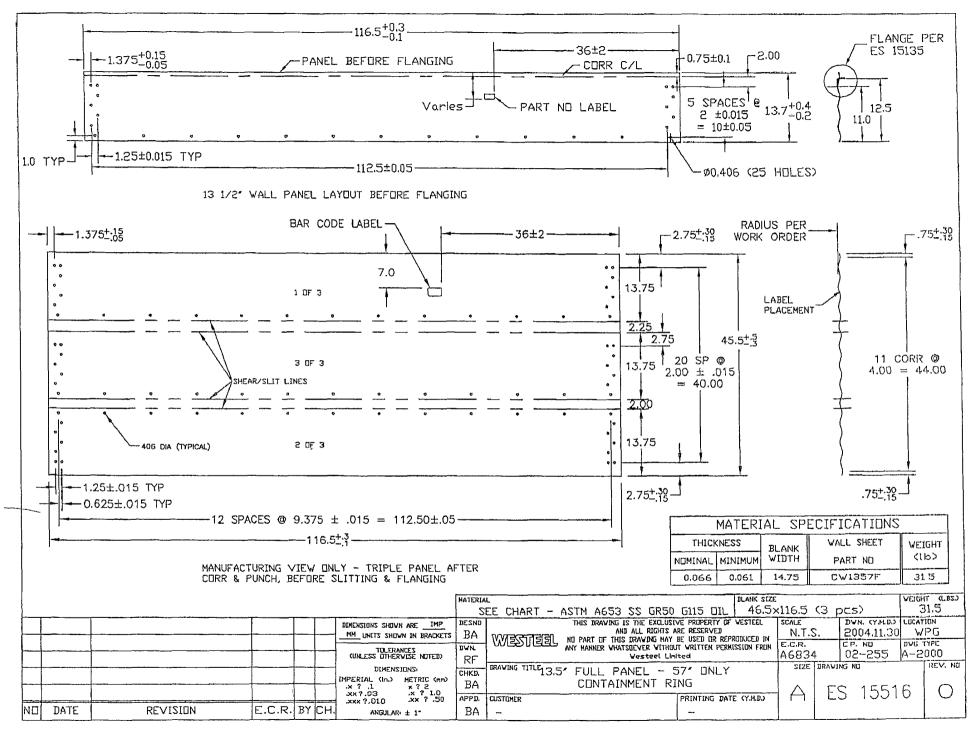


Exhibit 2.2 pg 5

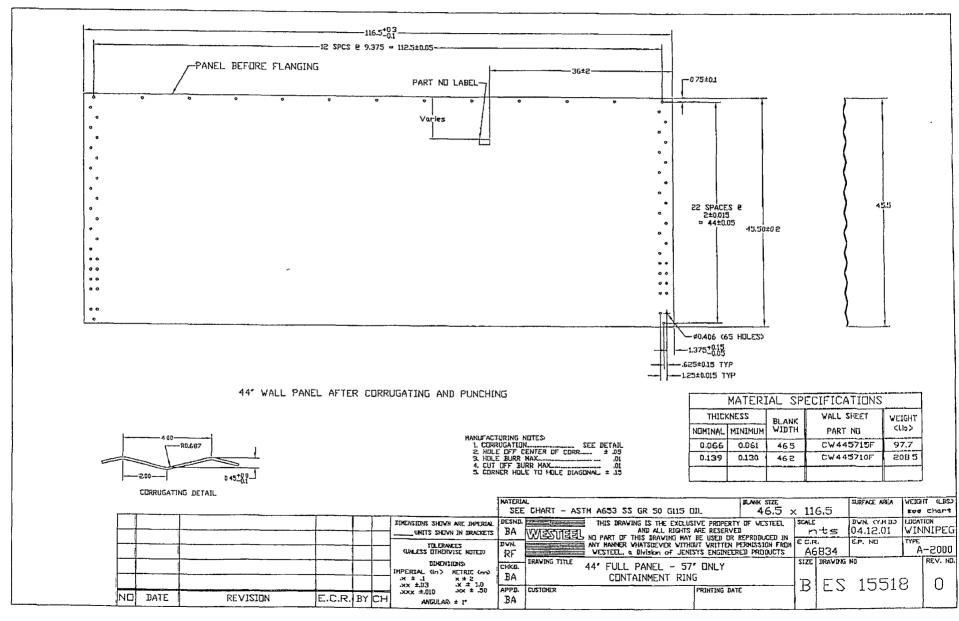


Exhibit 2.2 pg 6

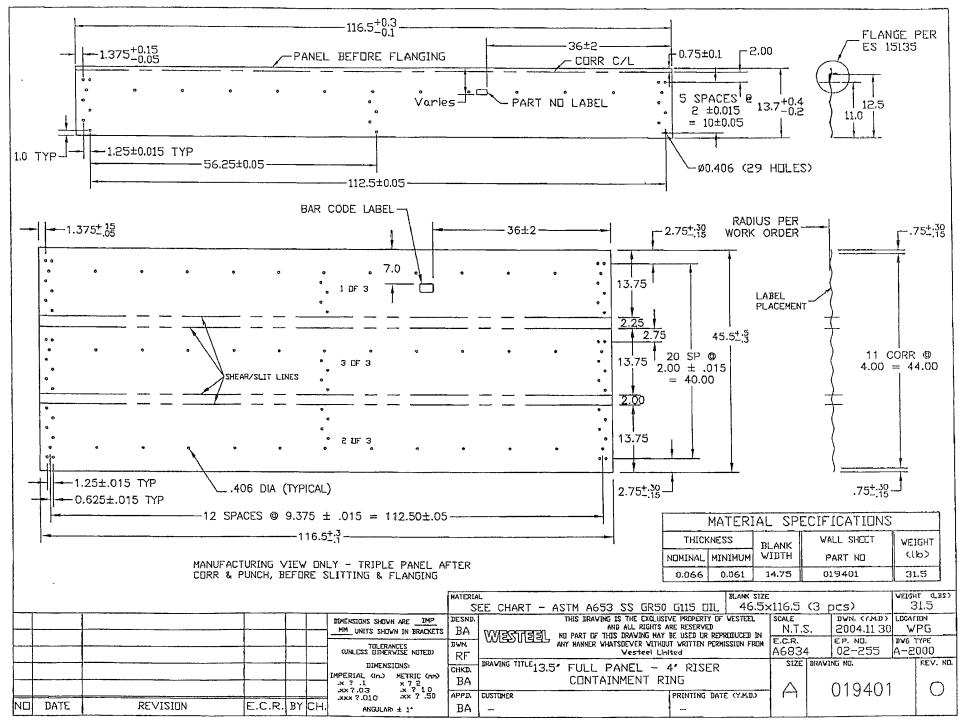
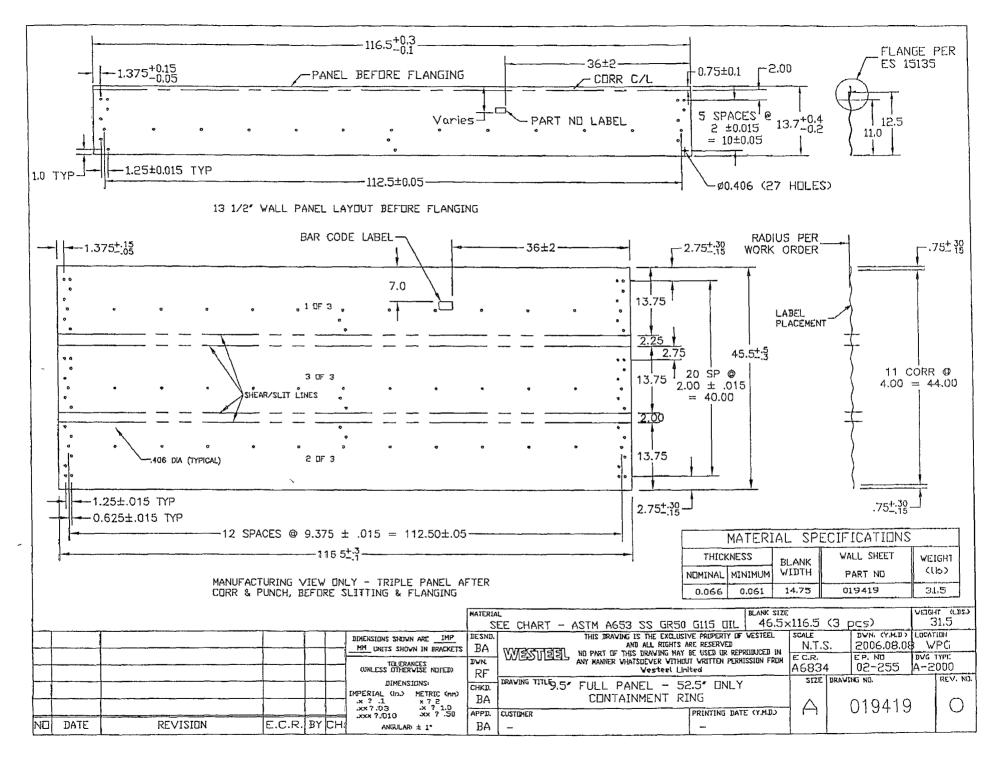


Exhibit 2.2 pg 7



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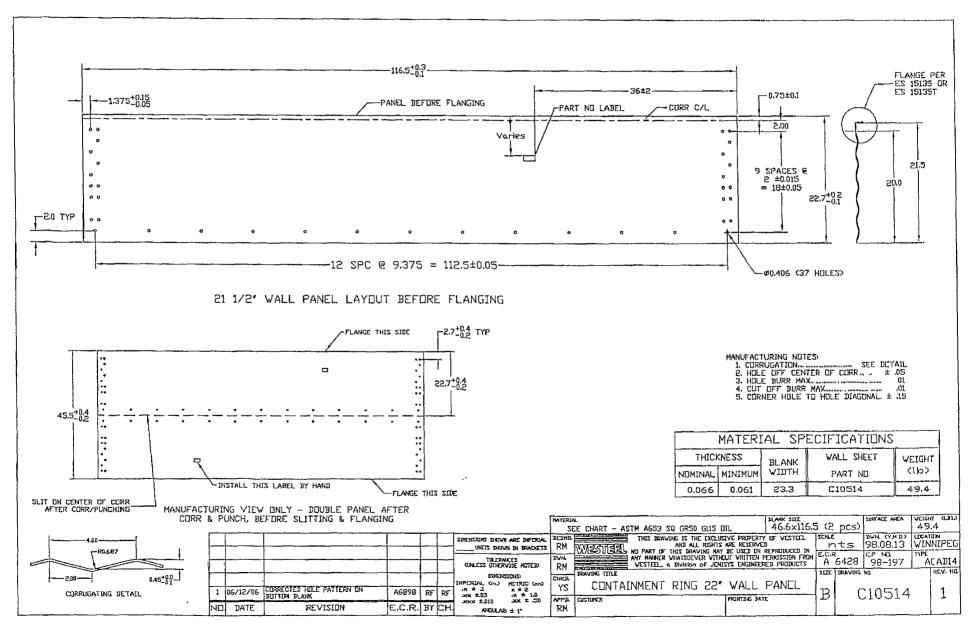
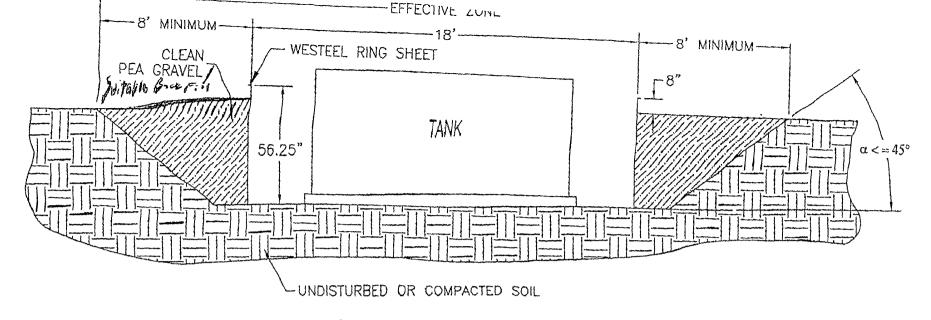


Exhibit 2.2 pg 9



INSTALLATION INSTRUCTIONS & SITE REQUIREMENTS

- 1. EXCAVATE AS PER ABOVE
- 2. FOR BEST RESULTS, BACKFILL WITH CLEAN PEA GRAVEL (OR EQUIVALENT FREE FLOWING MATERIAL) EVENLY AROUND THE STRUCTURE, TAKING CARE NOT TO FILL IN ANY ONE AREA VERY HIGH RELATIVE TO OTHER AREAS, SO AS TO MAINTAIN THE STRUCTURE AS ROUND. WORKING AROUND THE STRUCTURE IN APPROXIMATELY 6" LIFTS IS RECOMMENDED. (NOTE: ALTERNATIVE MATERIALS CAN BE USED BUT CARE MUST BE TAKEN TO INSURE THAT THE EXTERNAL PRESSURES ACTING ON THE STRUCTURE REMAIN UNIFORM. IF NATIVE SOIL IS USED AS A BACKFILL MATERIAL, IT SHOULD BE UNIFORM IN CONSISTENCY, AND BE FREE OF LARGE ROCKS OR UNBROKEN CLUMPS, WHICH COULD RESULT IN UNEVEN LOADING).
- 3. THE COMPLETED STRUCTURE SHOULD EXTEND APPROXIMATELY 8" ABOVE GRADE
- 4. TO INSURE STRUCTURAL INTEGRITY, UNEVEN EXTERNAL WALL PRESSURE IS TO BE AVOIDED. NO VEHICLES OR OTHER SOURCES OF POINT LOADING SHOULD BE PERMITTED WITHIN THE EFFECTIVE ZONE (AS ILLUSTRATED).
- 5. WESTEEL IS NOT LIABLE FOR ANY DAMAGES OR INJURIES RESULTING FROM ANY FAILURE DUE TO IMPROPER INSTALLATION, IMPROPER SITE CONDITIONS, OR INADEQUATE MAINTENANCE OF THE SITE.

NOTE: THIS SYSTEM IS NOT DESIGNED FOR THE SECONDARY CONTAINMENT OF LIQUIDS, RATHER, TO ALLOW FOR INSPECTION OF THE TANK.

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PRODUCT DESCRIPTION

DURA+SKRIM J30, J36 and **J45** are Linear Low Density Polyethylene geomembranes reinforced with a heavy encapsulated 1300 Denier polyester reinforcement. In addition to excellent dimensional stability the tri-directional reinforcement provides exceptional tear and tensile strength.

DURA+SKRIM J-Series membranes are formulated with thermal and UV stabilizers to assure a long service life. Custom colors are available based on minimum volume requirements.

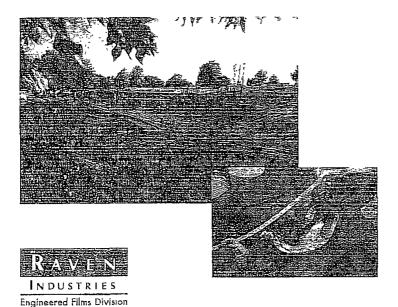
PRODUCT USE

DURA-SKRIM J30, J36 and **J45** are used in applications that require exceptional outdoor life and demand high tear strength and resistance to thermal expansion.

DURA-SKRIM J30, J36 and **J45** are manufactured from a very chemical-resistant, Linear Low Density Polyethylene with excellent cold crack performance.

SIZE & PACKAGING

DURA-SKRIM J30, J36 and **J45** are available in a variety of widths and lengths to meet the project requirements. Large diameter mill rolls are available to assure an efficient seaming process. Factory welded panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



PRO	DUCT NUMBER	
	A•SKRIM J30 J306B	
	R*SIGIN J36 J36BB	

COMMON Applications

- Waste Lagoon Liners
- Floating Covers
- Daily Landfill Covers
- Modular Tank Liners
- Tunnel Liners
- o Remediation Liners
- Earlinen Lines
- C injerim Laboiii Covers
- e Remediation Covers
- Landfill Caps
- Eigsion Control Covers
- o Canalillings
- O DISPOSAL PIL BING
- Water Containment Pones
- Heap:Leach-Line;





PROPERITIES	JEST METHOD	DURA SKE	NM JADBB	DURASKI	IIM BEGBB		
		Mın. Roll Avərages	Typlcal Roll Averages	Min Roll Averages	Typical Ro i l Averages	Min. Roll Averages	īvpical Roll Averages
Арреалайсе		Black/	Black	Black/	'Black	Black	Black
тніскиезя, Момінаі	ASTM D5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil
₩ĔIĠĦŢ Ĵpa/WSŁ	ASTM D5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30 24)
CONSTRUCTION		**Extrusi	on laminated v	vith encapsula	ted tri-directio	nal scrim reinfo	rcement
PLY ADHESION	ASTM D413	16 lbs	20 lbs	19 lbs	27 lbs	25 lbs	33 lbs
1" Tensile Strength	ASTM D7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lb፣ MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD
1" Tensile Elongation @ Break % (Film Break)	ASTM D7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD
1" Tensile Elongation @ Peak. % (Schim Break)	ASTM D7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31 DD	20 MD 20 DD	36 MD 36 DD
TONGUE TEAR STRENGTH	ASTM D5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	114 lbf MD 107 lbf DD	100 lbf MD 100 lbf DD	125 lbf MD 127 lbf DD
GRAB TENSILE	ASTM D7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	295 lbf MD 294 lbf DD	220 lbf MD 220 lbf DD	341 lbf MD 337 lbf DD
TRAPEZOID TEAR	ASTM D4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbt DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD
*DIMENSIONAL STABILITY	ASTM D1204	<1	<0.5	<1	<0.5	<1	<0.5
PUNCTURE RESISTANCE	ASTM D4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf
MAXIMUM USE TEMPERATURE		180°F	180°F	180°F	180°F	180°F	180°F
Minimum Use Temperature		-70°F	-70°F	-70°F	-70°F	-70°F	-70°F

MD = Machine Direction
DD = Diagonal Directions



Note: Minimum Roll Averages are set to take into account product variability in addition to testing variability between laboratories.

*Dimensional Stability Maximum Value

**DURA*SKRIM J30BB, J36BB and J45BB are a four layer reinforced laminate. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications

DURA+SKRIM J30BB, J36BB and J45BB are reinforced with a 1300 denier tri-directional solim reinforcement.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. NO WARRANTIES ARE MADE AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.



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Toll Free: 800-635-3456



www.ravengeo.com

6/09 EFD 1126

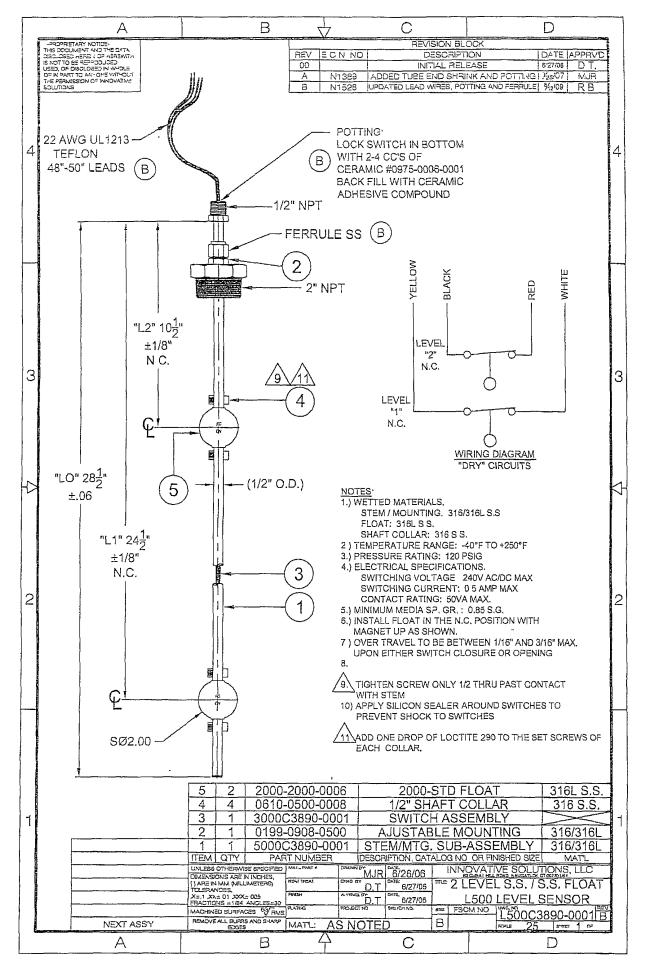


Exhibit 2.4

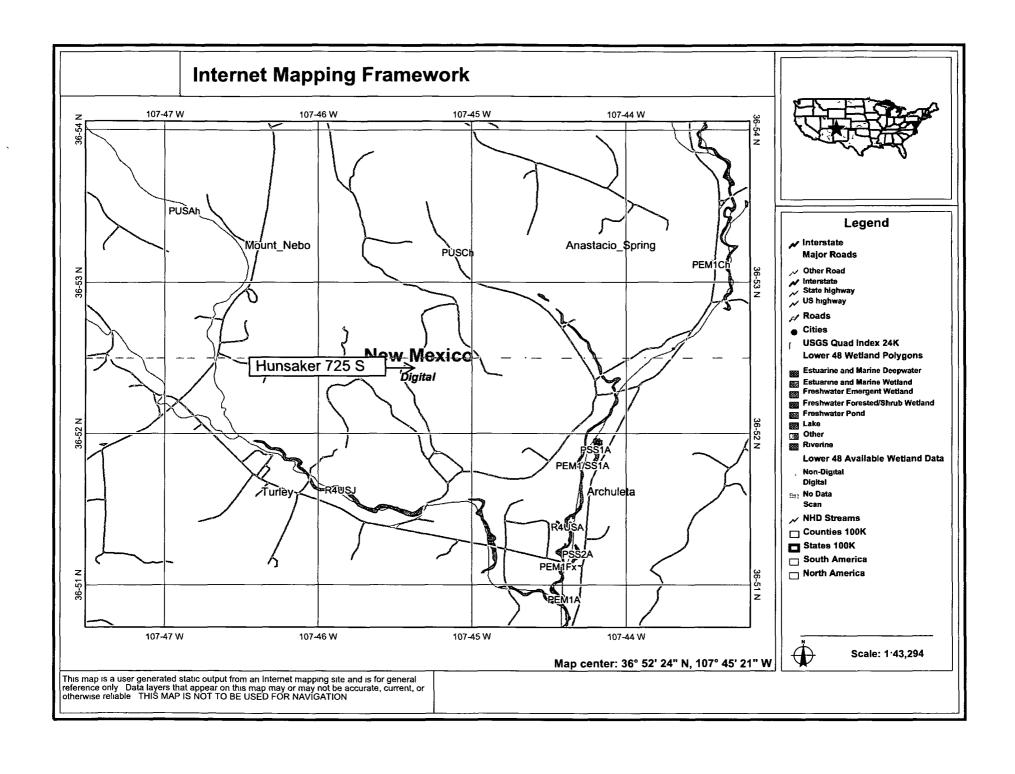
Hunsaker 725 S

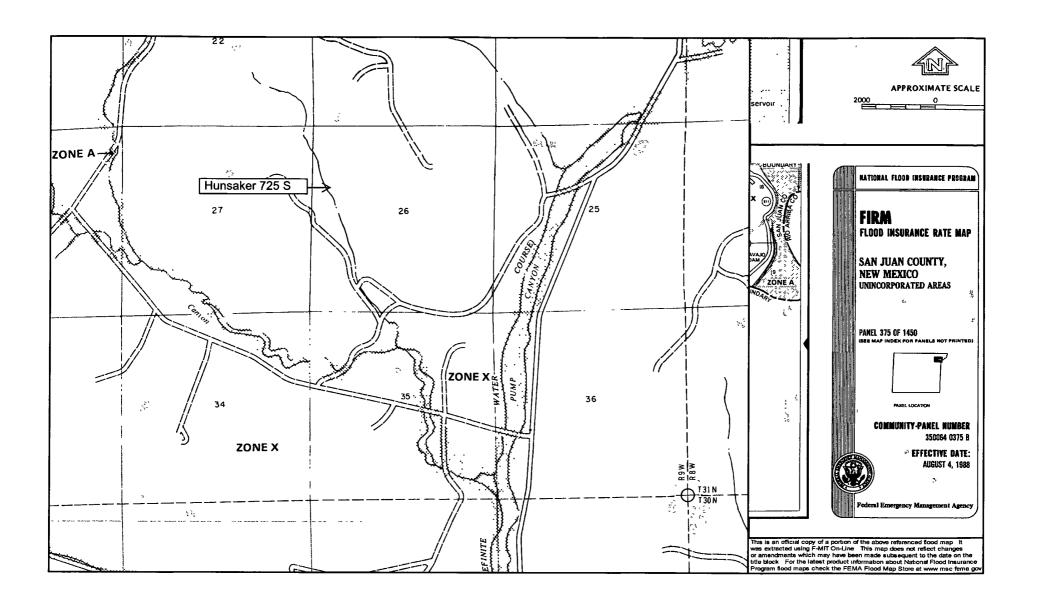
API 30-045-32526

Sitting Criteria Compliance Demonstration

Criteria as per 19.15.17.10.(A) (1)	In Compliance	Comments		
Ground water > 50' below bottom to tank	Yes	Refer to "Site Hydrology Report" in Section V		
Continously flowing water course >300 ft from tank & significant watercourse or lakebed, sinkhole, or playa lake measured from high water mark > 200 ft from tank	Yes	Refer to Observed Setting Requirements completed by field personnel - Appendix 08		
Permanent Residence, school, hospital, institution, or church > 300 ft from tank	Yes	Refer to Observed Setting Requirements completed by field personnel - Appendix 08		
Private, domestic fresh water well or spring > 500 ft from tank.	Yes	Refer to Observed Setting Requirements completed by field personnel - Appendix 08		
Any other fresh water well or spring > 1000 ft from tank	Yes	Refer to Observed Setting Requirements completed by field personnel - Appendix 08		
Within incorporated municipal boundary of defined municipal fresh water field	No	Refer to Observed Setting Requirements completed by field personnel - Appendix 08		
Wetland > 500 ft from tank	Yes	Refer to Observed Setting Requirements completed by field personnel - Appendix 08		
Not overlying a subsurface mine	Yes	Refer to Observed Setting Requirements completed by field personnel - Appendix 08		
Not within an unstable area	Yes	Refer to "Karst Map" in Appendix 09, TOPO Map In Appendix 01, & Observed Setting Req. In Appendix 08		
Not within a 100-year floodplain	Yes	Refer to Appendix 6 - 100 year floodplain map		

OIL CONS. DIV.





EnerVest Operating, LLC (EV)

BELOW-GRADE TANK OPERATIONAL REQUIREMENTS

Rule 19.15.17.12

A. EV will operate and maintain Below-Grade Tanks to insure the integrity of the below-grade tank, liner, liner system or berms to prevent contamination of fresh water and protect public health and the environment.

EV will not discharge or store any hazardous waste material of any kind in any Below-Grade Tank.

Any penetration of the below-grade below the liquid's surface that may occur, EV shall remove all liquid above the damage or leak line within 48 hours of the discovery. EV shall notify the appropriate district office within 48 hours of the discovery and repair the damage or replace the liner or below-grade tank.

EV will insure the metal retaining walls of the below-grade system around each tank will extend at least 6" above ground level or be equipped with a 6" earthen berm in an effort to divert run-on water around the below-grade system.

D. EV will insure that a below-grade tank constructed and installed prior to June 16, 2008 that does not meet the requirements of 19.15.17.11 NMAC and does not demonstrate integrity or that the below-grade tank develops any conditions as identified in 19.15.17.12 NMAC shall close the existing below-grade tank pursuant to the closure requirements of 19.15.17.13 NMAC and install a below-grade tank that is in full compliance with our approved design. Please see below-grade system diagram in Appendix 8 for details.

EV will insure all Below-grade tanks will be equipped with automatic high-level alarm which sounds at 24" and than shut off devise to insure that flow will shut off at the freeboard height of 10 1/2 inches.

The majority of our below-grade tanks are within the berm around our tank battery and as so are protected from run-on water. Those outside this berm will be protected with an earthen berm which will extend at least 6" above surface ground level to divert run-on around the tank.

EV will remove any visible or measurable layer of oil from the fluid surface of a below-grade tank.

With any below-grade tank, installed before June 16, 2008, that is retrofitted or replaced with another tank, EV will insure that the soil beneath the removed soil is inspected for wet, discolored, or any other evidence of release, with photographic evidence. EV will report the results of all testing to the division on form C-141 and demonstrate to the division whether the evidence of contamination indicates at an imminent threat to fresh water, public health, safety of the environmental exists. If the division determines that the contamination does not pose an imminent threat to fresh water, public health, safety or the environment, EV shall complete the retrofit or the replacement of the below-grade tank as per our approved design program as indicated in Appendix 8. If EV or the division determines that the contamination poses an imminent threat to fresh water, public health, safety or the environment, then EV shall close the existing below-grade tank pursuant to the closure requirements of 19.17.15.13 NMAC prior to initiating the retrofit or replacement.

Section IV

Closure Plan

EnerVest Operating, LLC (EV)

BELOW-GRADE TANK CLOSURE REQUIREMENTS

Rule 19.15.17.13

Before June 15, 2013, EV shall close, retrofit, or replace an existing below-grade tank that has not demonstrated integrity.

EV shall close a below-grade tank within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.

A. EV shall close an existing below-grade tank that does not meet the requirements of Subsection I, paragraphs (1) through (4), of 19.15.17.11 NMAC if not retrofitted to comply with said requirements prior to any sale or change of operator to 19.15.9.9 NMAC.

Any below-grade tank installed prior to June 16, 2008 that is single walled and where any portion of the tank sidewall is below the ground surface and not visible shall equip or retrofit the below-grade tank to comply with paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, or close it, within 5 years after June 16, 2008.

Within 60 days of cessation of the permitted below-grade tanks operation or as required by Subsection B of 19.15.17.17 NMAC, EV shall close the below-grade tank in accordance with a closure plan that the appropriate division district office approves.

J. Prior to implementing any closure operations EV shall research county tax records to determine the name and address of the surface owner of the properties involved. EV shall notify this surface owner via Certified U.S. Mail, return receipt requested, of their intent to close said below-grade tank.

Upon determination, EV will notify the appropriate district office prior to any closure operations beginning. Such notification shall be at least 72 hours, via U.S. Mail, prior to beginning work but not more than one week prior to beginning work. Such notice shall contain at a minimum the following:

Operators Name Unit letter, Section, Township, & Range of well Well name and well number API Number of well E. .All free standing liquids and sludge will be removed at the start of the below-grade tank closure process from the below-grade tank and disposed of in one of the below division-approved facility as indicated below:

TNT Land Farm Permit # NM-01-0008 Liquids & Sludge Environtech Land Farm Permit # NM-01-0011 Solids AguaMoss Permit # 247130 Liquids

EV will obtain prior approval from the division to dispose, recycle, reuse, or reclaim the below-grade tanks and provide documentation of the final disposition of the below-grade tank in the closure report.

Existing liners that are removed as a result of closure will be wiped cleaned and disposed of at a solid waste facility listed below in compliance with Subparagraph (M) of Paragraph (I) of Subsection C 19.15.35.8 NMAC..

San Juan Regional Landfill Permit # SWM 052426 or Special Waster Permit # SWM052433 "sp"

If there is any on-site equipment associated with a below0grade tank, EV shall remove the equipment, unless the equipment is required for some other purpose.

Upon removal of the below-grade tank, EV will take, at a minimum, a five point composite sample from where the tank was sitting. EV shall collect individual grab samples will be taken from any area that is wet, discolored or showing other evidence of a release. All samples will be analyzed for the following:

Components	Test Method	Limits (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
Chlorides	EPA 300.1	250 or background,
		whichever is greater

EV will insure that the results of all sampling shall be reported to the division on approved form C-141. EV understands that the division may require additional delineation upon review of the results.

If sampling demonstrates that concentrations specified above have NOT been exceeded, or that a release has NOT occurred, EV will backfill the excavation with compacted, non-waste containing, earthen material, construct a division prescribed soil cover, and recontour and re-vegetate the site. The division prescribed soil cover, recontouring, and re-vegetation shall comply with 19.15.17.13.

If EV or the division determines that a release has occurred, EV shall fully comply with 19.15.29 NMAC and 19.15.30 NMAC as appropriate.

G. Once EV has closed a below-grade tank, we shall reclaim the site to a safe and stable condition that blends with the surrounding undisturbed area. When possible, EV will restore the impacted surface area to the condition that existed prior to oil and gas operations by the placement of soil cover.

If the closed area is within the confines of the pad location EV will blend the site to match the pad location as much as possible. Such activities shall prevent erosion, protect fresh water, human health and the environment. EV will obtain written agreement from the surface owner for any alternate re-vegetation proposals and submit to the division for final approval.

- H. The soil cover design will be consistent with the requirements of 19.15.17.13(H)(1) and (3). The soil cover will consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and prevent ponding of water and erosion of the cover material.
- I. EV will seed the disturbed areas the first growing season after closing the below grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

EV shall notify the division when it has seeded or planted and when iτ successfully achieves re-vegetation by U.S. Mail.

K. Within 60 days of completion of closure operations, EV will file Form C-144, with attachments, outlining the detailed operations of the closing operations. Such attachments shall include, but not limited to, proof of surface owner and division notifications, confirmation of sampling analysis, disposal facility names and permit numbers, soil backfilling and cover installation, re-vegetation application rates and seeding techniques, and photo documentations.

Site Specific Hydro Geologic Analysis

OIL CONS. DIV.

DIST. 3

Hunsaker 725S

API 30-045-32526

The above referenced well is located at UL E, Sec 26, 31N, 09W at an elevation of 6130'. Surface casing was set to a depth of 235' or at a depth of 5895'.

According to the New Mexico Office of State Engineer, water well, SJ00012 on the TOPO Map, drilled was in 1952 by El Paso Natural Gas in the SE/4, Sec 27, 31N, 09W, with an elevation of 6032 and encountered water at a depth of 84 feet. This well is approximately 4 miles NE of our location.

The water well, SJ00013, in the SW/4 of Sec 10, 31N, 09W was drilled in 1953. There was no indication of water and this well was plugged in that same year.

The water well, SJ03841, approximately 1 mile SW of our location did encounter water at a depth of 26 feet. However the distance should not interfere with our location.

Southern Union drilled the Hunsaker #1A (045-21765) in 1975 at an elevation of 6127', about 200 feet East of our well. They set surface casing at 239', which is at a depth of 5888'. This would be 7' above our location. The make up of sand and shale should prevent any migration of water up stream.

With our elevation of 6130' at the bottom of the wash, groundwater could potentially be less than 50' below the surface.

Form 3160-4 (October 1990)		UNITED S ARTMENT OF UREAU OF LAND	THE INTERN	OR /	UBBIST IN DUPLICATE* (See other in- struction on neverse state)	ORBIN	
WELL COMPL	ETION OP I	ECOMPLE	TION DED	AND TOP	I OC*	6. IF INDIAN, ALLOTT	-
14. TYPE OF WELL: b. TYPE OF COMPLET	WETT	[945]	OHY COUL NO		4 00	7. UNIT AGREEMENT	NAME
WEN X	WORK DEEP-	PLUG BACK	DEFF.	RECEIV	ED D	8. FARM OR LEASE I	NAME, WELL NO.
Travel Based		teneral transport	Replace a	EXPLINE		Hunsaker #	725S
2. NAME OF OPERATO		** 4 040 00404		1	15 E 3	9. API WELL NO.	
2. ADDRESS AND TEL	EPHONE NO.	AL & GAS COMPA	WY_		7 A CO &	30-045-325 10. FIELD AND POOR	
PO BOX 428	9, Farmington, NM		326-9700	Bi no		Basin Fruitt	
4. LOCATION OF WEL			ice with any State i	equirements)	20na		OR BLOCK AND SURVEY
	26, T31N, R9W { 1480 FNL, 835		ļ			OR AREA	MAN TOWNS ASSESSED.
At top prod. interval r	•	LAAC	Ì	icis Ri-	اب حي وي	SEC. 20, 13	31M, RSW, NMPM
At total depth	. shores never					,	
	•	14.	PERMIT NO.	DATE ISSUÉI	67 19 18 B	12. COUNTY OR	18. STATE
•		1		1	Care Maria	PARISH	
16. DATE SPUDDED 116.	DATE T.D. REACHED	117. DATE COM	PL. (Reedy to prod.)	<u>L</u>	12. ELEVATIONS (OF, R	San Juan	New Medico
11/3/04	11/11/04	11/16/			6130' GL; 614	• • • •	
20. TOTAL DEPTH, MD &T	70 21. PLUG, B	SACK T.D., MED &TVD	22. IF MULTIPLE CO		23. INTERVALS DRULED BY	ROTARY TOOLS	CABLE TOOLS
3032'	3032	<u> </u>		,	<u> </u>	yes ·	
24. PRODUCTION INTERV				,		25. WAS DIRE SURVEY	
2682-2655 Fruiti	and Coel 27	82-294	5			GORVE	No
28. None						27. WAS WELL CORE	No No
28. CASING SIZE/GRADE	WEIGHT, LBJFT.	DEPTH SET (MD)	ASING RECORD (set in well) IENT, CEMENTING RECO	en I	AMOUNT PULLED
9 5/8°	32.3# H-40	235	12 1/4"		233 cu ft		- TOUCED
7	20# J-55	2621'	8 3/4"		737 cu ft		
	0						
Company of the Compan							
29	LINER RI			30 .		TUBING RECO	
SIZE TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET		RD PACKER GET (MD)
The same of the sa			SCREEN (MD)		DEPTH SET (
SIZE TOP (MD) 5 1/2" 2589	BOTTOM (MD)	SACKS CEMENT*	82.	SIZE 2 3/8" ACIE	2893° D, SHOT, FRACTURE	(MD) CEMENT SQUEEZI	PACKER GET (N.D) E, ETC.
SIZE TOP (MD) 5 1/2" 2589" 31 PERFORATION RECOR	80110M (MD) 3032)	SACKS CEMENT*	32. DEPTH INTE	SIZE 2 3/8" ACIE	2993' D, SHOT, FRACTURE AMO	(MD)	PACKER GET (N.D) E, ETC.
SIZE TOP (MD) 5 1/2" 2589"	80110M (MD) 3032)	SACKS CEMENT*	32. DEPTH INTE	SIZE 2 3/8" ACIL RVAL (MD)	2893° D, SHOT, FRACTURE	(MD) CEMENT SQUEEZI	PACKER GET (N.D) E, ETC.
SIZE TOP (MD) 5 1/2" 2589" 31 PERFORATION RECOR	80110M (MD) 3032)	SACKS CEMENT*	32. DEPTH INTE	SIZE 2 3/8" ACIE	2993' D, SHOT, FRACTURE AMO	(MD) CEMENT SQUEEZI	PACKER GET (N.D) E, ETC.
SIZE TOP (MD) 5 1/2" 2589" 31 PERFORATION RECOR	80110M (MD) 3032)	SACKS CEMENT*	32. DEPTH INTE	SIZE 2 3/8" ACIE	2993' D, SHOT, FRACTURE AMO	(MD) CEMENT SQUEEZI	PACKER GET (N.D) E, ETC.
SZE TOP (MD) 5 1/2" 2589" 31 PERFORATION RECCA 2782'-2945"	BOTTOM (MD) 3032 RD (Intervel, size and nur	SACKS CEMENT ROTHE	32. DEPTH INTE 2782.	SIZE 2 3/8" ACIL REVAL (MD) -2945	2893* D, SHOT, FRACTURE, AMO	(MD) CEMENT SQUEEZI BURIT AND KIND OF MAT	PACKER SET (MD) E, ETC. TERIAL USED
SIZE TOP (MD) 5 1/2" 2589" 31 PERFORATION RECOR 2782-2945"	BOTTOM (MD) 3032 RD (Intervel, size and nur	SACKS CEMENT*	32. DEPTH INTE 2782.	SIZE 2 3/8" ACIL REVAL (MD) -2945	2893* D, SHOT, FRACTURE, AMO	(MD) CEMENT SQUEEZI BUNT AND KIND OF MAT	PACKER GET (N.D) E, ETC.
SZE TOP (MD) 5 1/2" 2588 31 PERFORATION RECOR 2782-2845 33. DATE FIRST PRODUCTION	BOTTOM (MD) 3032 RD (Intervel, size and nur	SACKS CEMENT PROPERTY	22. DEPTH BNTE 2762. 2762.	SIZE 2 3/8" ACIL RIVAL (MD) -2945 ROBUCTION Into and type of pure	2893* D, SHOT, FRACTURE, AMO	(MD) CEMENT SQUEEZI BURIT AND KIND OF MAT	PACKER SET (MD) E, ETC. TERIAL USED
SIZE TOP (MD) 5 1/2" 2589" 31 PERFORATION RECOR 2782'-2945' 33. DATE FIRST PRODUCTION 11/16/04 DATE OF TEST 11/13/034	BOTTOM (MD) 3032 RD (Interval, size and nur FRODO ROURS TESTED	CHOKE SIZE PROTES	DEPTH INTE 2782* 2782* PR geal lift, pumping— Flowing DON POR CIL—8	SIZE 2 3/8" ACII ERVAL (MD) -2945 ROBUCTION tibe and type of pure	2893' D, SHOT, FRACTURE, AMO NONE P) GAS-MCF	(MD) CEMENT SQUEEZI RINT AND KIND OF MAT WELL STATUL SI WATER-BEL	PACKER SET (ND) E, ETC. FERMAL USED S (Producting or childrin) GAS-Oil (RATIO)
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SZE TOP (MD) 5 1/2" 2589 31 PERFORATION RECOR 2782'-2945' 33. DATE FIRST PRODUCTION 11/16/04 DATE OF TEST 11/13/034 FLOW, TUBING PRESS. SI 0	PRODUCE Thours TESTED Thour CASING PRESSURE 86 (Sold, used for fuel, veni	CHOKE SIZE FRO CALCULATED C 24-HOUR RATE	DEPTH BNTE 2762 2762 2762 PR OF GRANTING PR OF COLUMN TO PERIOD TO PERIOD	ACIL 2 3/8" ACIL REVAL (MD) -2945" RODUCTION size and byto of pum 881.	2893' D, SHOT, FRACTURE, AMO NONE P) GAS-MCF	CEMENT SQUEEZI DUNT AND KIND OF MAT WELL STATU SI WATER-BEL EG.	PACKER SET (ND) E, ETC. FERMAL USED S (Producting or childrin) GAS-Oil (RATIO)
SIZE TOP (MD) 5 1/2" 2589 31 PERFORATION RECOR 2782-2945 33. DATE FIRST PRODUCTION 11/16/04 DATE OF TEST 11/13/034 FLOW, TURING PRESS. SI 0 34. DISPOSITION OF GAS	PROURS TESTED 1 hour CASING PRESSURE 86 (Said, used for fuel, ven.) To be sold	CHON METHOD (Flowing CHOKE SIZE PRO TES 24-HOUR RATE SIZE PRO CALCULATED CO 24-HOUR RATE SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZ	DEPTH INTE 2782 2782 PR get lift, pumping— Flowing DON FOR CIL—8 T PERIOD III—881.	SIZE 2 3/8" ACII SRVAL (MD) -2945" ROBUCTION BIBL GAS-MCF	2993' D, SHOT, FRACTURE, AMO NONE GAS-MCF WATER-B	CEMENT SQUEEZI DUNT AND KIND OF MAT WELL STATU SI WATER-BEL EG.	PACKER SET (ND) E, ETC. TERNAL USED S (Producing or childrin) GAS-OR, RATEO ORL GRAVITY-API (CORR.)

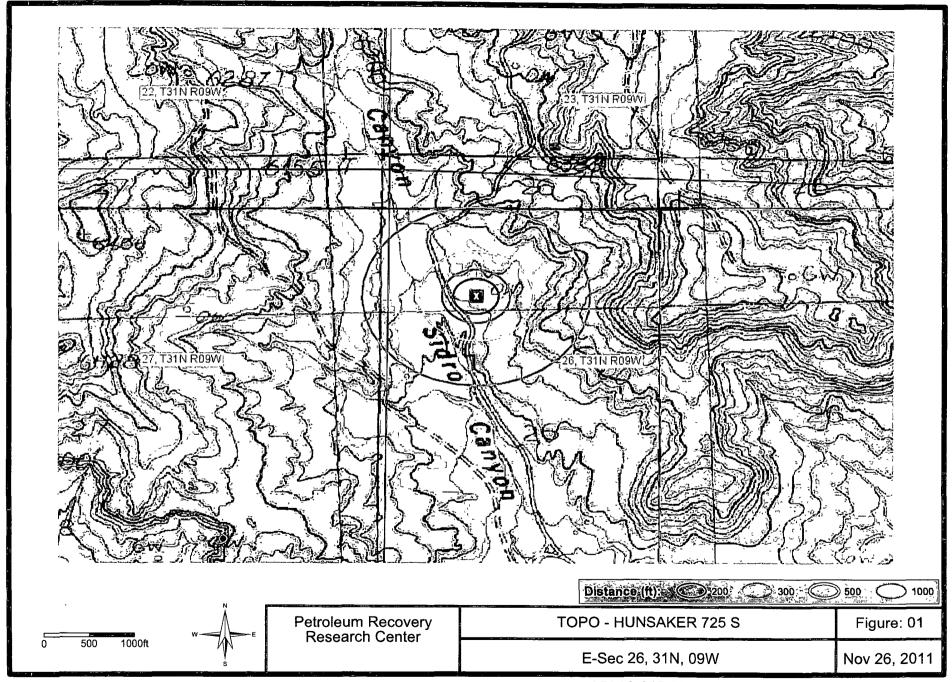
*(See Instructions and Spaces for Additional Data on Reverse Side)

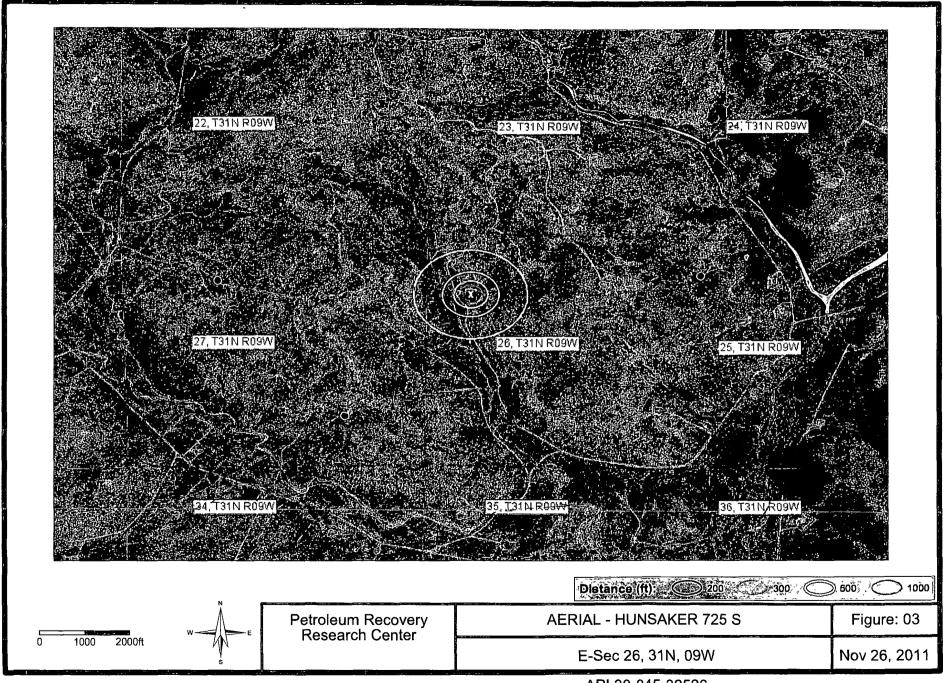
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

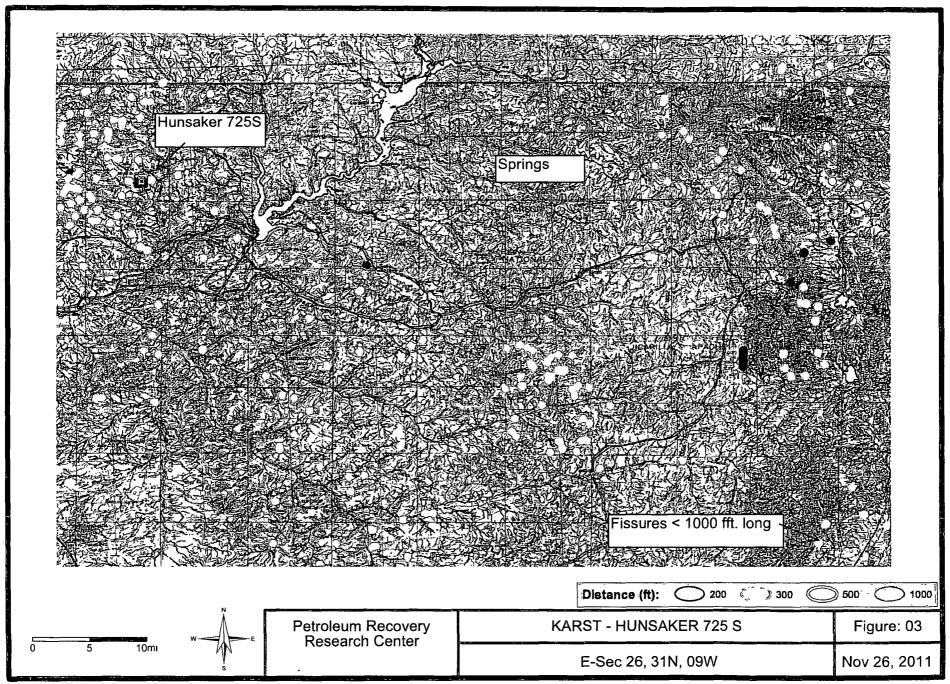
37. SUMMARY OF PO dill-stem, teste, i recoveries):	ROUS ZONES: (Sinclading depth in	how all important starvel tested, cus	ses of perceity and contents thereof; cored intervals; and all les used, time tool upon, flowing and shat-in presences, and 39. GEOLOGIC MARKERS	,
PORMATEON	TOP	207704 .	DESCRIPTION, CONTENTS, ETC. TOP	
			MEAS, DEPTH	Pruz Vert. Deptu
(-				
Ojo Alamo	1667	1751	White, cr-gr ss.	•
Kirtland	1751	2682'	Gry sh interbedded w/tight, gry, fine-gr ss.	·.*
Fruitland Pictured Clif		s.**	Dk gry-gry carb sh, coal, grn silts, light- Ojo Alamo 1667' med gry; tight, fine gr ss. Rirtland 1751' Fruitland 2682' En-Gry, fine grn, tight ss. Pic.Cliffs 2953'	

ev. 6—63)		UN	ITED	STAT	TES	SUBM	IT IN DI		1				proved. Jureau No. 42-R855
	DEPART					ERIO	7	(See otl structio reverse	ns on	5. LEAS	SE DESI	GNATIO	ON AND SERIAL 1
	(GEOL	.OGIC	AL SUI	RVEY					!	SF-	0785	506
WELL CON	APLETION	OR	RECON	MPLETI	ION R	EPORT	AND	LQG	*	6. IF 1	NDIAN,	ALLOTI	TEE OR TRIBE NA
. TYPE OF WELL	.: OII. WEL	<u> 🗆</u>	GAS WELL	Di	RY L	Other.	4	و الماسكة		7. UNI	T ACREE	MENT	NAME
. TYPE OF COMP					_ <u>:</u>	E de la constitución de la const	På-Au						
WELL	OVER DEE	P	PLTG BACK	DIFF	vr. 🔲 (Other TIN	1319	377		-	M OR L	_	NAME
NAME OF OPERATO	n				•	Jon	L				hinga	Ker.	
Scothern U	nica Prod	atio	n Comp	many			, printOhi	CIR!E	<u>Y</u>	9. WEI	LL NO.	1-4	
						U.S. GEC	4.6.4.036	t 1		10. FI	DLD AND		OR WILDCAT
P. O. BOX	L (Report location	on clearl	ly and in c	aocordance	with any	State requ	irementa)	•		Blas	noo M	leagt	rerde
At surface 146	oft. from	a the	North	line	8 960	ft. fr	om the	Nest	. 1 i r	BJ. SE	C., T., R.	., 21., 01	R BLOCK AND SCRV
At top prod. inte	erval reported be	low 🕹	ano ac	andve	.						_		
-					-					Sec.			11, 11-94
At total depth	3600 6A (Love	ı	14 per	BMIT NO.		DATE 185	T.ED		12 00	UNTY O	R	13. STATE
				-1		ı	J				EISH	-	For Noxie
DATE SPUDDED	16. DATE T.D. R	EACHED	17. DAT	E COMPL.	(Ready to	prod.) 1	8. ELEVAT	IONS (DF.	RKB. B				LEV. CASINGHEAD
5/6/75	5/14/75			6/2/7	75			27 M.				4	6127 Pt.
TOTAL DEPTH, MD &		G, BACK	T.D., MD &	TVD 22	HOW MA	TIPLE COMPI		23. INTER	VALS		Y TOOL	8	CABLE TOOLS
5400 ft. H			t. REC						>	0-5	400 1		
. PRODUCING INTER					•	D AND TVD)	t				-	25.	WAS DIRECTIONA SURVEY MADE
	AL 42 - 4											1	
4741-4852												1	100
5186-5296	ft. ND &	TVD -									1	27. WA	S WELL CORED
5186-5296 TYPE ELECTRIC A	ND OTHER LOGS	RUN -	- Point	Looks	out	os.		. <u>. </u>				27. WA	S WELL CORED
5186-5296 TYPE ELECTRIC ALL IMB, Densi	ND OTHER LOGS	RUN -	- Point	t Looks rrolati	out ion Lo	QS ort all strin	78 set in u	pell)		-	er e	27. WA	
5186-5296 TYPE SLECTRIC ALL IES, Densi	ND OTHER LOGS	RVD - RUN & Bon	- Point	rolati	ion Lop ORD (Repo		78 set in u		PHITH	RE OF		ZI. WA	
5186-5296 Type electric at ISS, Densi	ft. MD & S	RUN - RUN & Bon	CAS DEPTH SE	rolati	ion Lo	ort all strin	gs set in u		NTING Bedi	1-12	M		AS WELL CORED
5186-5296 TYPE ELECTRIC AI INS, Demai	Pt. AD & S. ND OTHER LOGS Lty, Comen	RUN - RUN & Bon	CAS DEPTH SE	rolati ING RECO	ion Loper (Report Hotel 13-	ort all strin	78 set in u				FOT IUN I		AMOUNT PULLED
5186-5296 TYPE ELECTRIC ALLES, Demai	PRO AD A STATE OF THE STATE OF	RUN - RUN & Bon	CAS DEPTH SE	rolati ING RECO ET (MD)	ion Loper (Report Hotel 13-	ort all strin	ge set in u	175	seci		FOT IUN I		AMOUNT PULLED
5186-5296 TYPE ELECTRIC AI ISS, Denai CASING SIZE 10-3/4* 7*	PRO AD A STATE OF THE STATE OF	TVD - RUN E Bon	CAS DEPTH SE 239	Looke Frolati ING RECO ET (MD)	ion Loper (Report Hotel 13-	ort all strin		175 501	aeci aeci		IL CO	9	AMOUNT PULLED
5186-5296 TYPE ELECTRIC AI ISS, Denai CASING SIZE 10-3/4* 7*	PRO AD A STATE OF THE STATE OF	RUN - RUN & BOR	CAS DEPTH SE	Looke Frolati ING RECO ET (MD)	ion Lo	ort all strin	3	175	seci		UN DE CO	9	AMOUNT PULLED
5186-5296 TYPE ELECTRIC AT IRS, Densi CASING SIZE 10-3/4* 7* SIZE	TOP (MD)	RUN t Bon	CAS DEPTH ST 239 3169 RECORD	LOOKE FFOLATI ING RECO ET (MD) FREE REE SACES CO	ion Io DRD (Repo	ort all strin	MD) 3	175 501 0.	seci seci	TUBING DEPTH 8	L CO	9	AMOUNT PULLED
TYPE ELECTRIC ALL ISS., Demail CASING SIZE 10-3/4" 7" SIZE 5126 10.54	TOP (MD)	RUN - RUN RUN LINER SOTTO: 539	CAS DEPTH SE 239 3169 RECORD M (MD)	LOOKE FFOLATI ING RECO ET (MD) FREE REE SACES CO	ion Lo	ort all strin	MD) 3	175 501 0.	seci seci	TUBING	L CO	9	AMOUNT PULLED
S186-5296 TYPE ELECTRIC AI THE DEMAND CASING SIZE 10-3/4* 78 SIZE PERFORATION REC	TOP (MD)	RUN RUN Bon (FT. LINER BOTTO: 539	CAS CAS DEPTH ST 239 3169 RECORD M (MD) Pt.	I LOOKE FFOLATI ING RECO FF (MD) FREE SACES CO 272	ion Io DRD (Reperior Hole) 13- 9- EMENTO	ort all strin	3 MD)	0. SIZE	seci	TUBING DEPTH 8	L CO REOL	6 004.	AMOUNT PULLED
TYPE ELECTRIC AIRS, Demai	TOP (MD) TOP (MD) TOP (MD) TOP (MT) TOP (MT)	RUN RUN Bon (FT. LINER BOTTO: 539	CAS CAS DEPTH ST 239 3169 RECORD M (MD) Pt. number)	I LOOKE FFOLATI ING RECO FT (MD) FREE SACES CO 272	ion Io DRD (Reperior Hole) 13- 9- EMENTO	ort all string. SIZE 3/48 SCREEN (:	3 MD)	175 501 0. size 2-1/16	seci	TUBING DEPTH S	UN CO RECORDED FOR THE PER CONTROL OF THE PER CONTR	, sons	AMOUNT PULLED COM. PACKER SET (MD
S186-5296 TYPE ELECTRIC A ISS, Densi CASING SIZE 10-3/4" 78 SIZE 1. PERFORATION BEC Cliff Hour 4798-4852 Point Look	TOP (MD)	RUN RUN LINER BOTTO: 539 LIVE and :	CAS DEPTH ST 239 3169 RECORD M (MD) Pt. number) A741 60 ho.	I LOOKE FFOLATI ING RECO FT (MD) FREE SACES CO 272	ion Io DRD (Repe HOL 13- 9- EMENTO STR.	ort all string. SIZE 3/48 SCREEN (:	MD) ACID	0. SIZE 2-1/1(MD)	Secion Se	TUBING DEPTH S	UN CO RECORDED FOR THE PER CONTROL OF THE PER CONTR	SQUE	AMOUNT PULLED COM. PACKER SET (MD
SIZE CASING SIZE 10-3/4* 78 SIZE CASING SIZE CASING SIZE 10-3/4* 78 SIZE CASING	TOP (MD)	RUN RUN LINER BOTTO: 539 LIVE and :	CAS DEPTH ST 239 3169 RECORD M (MD) Pt. number) A741 60 ho.	I LOOKE FFOLATI ING RECO FIXE FIXE SACES CO 272	ion Io DRD (Repe HOL 13- 9- EMENTO STR.	ort all string. SIZE 3/48 SCREEN (:	ACID	0. SIZE 2-1/1(MD)	Secion Se	TUBING DEPTH S 4741	REOLET PARTIES AND MIND MIND MIND MIND MIND MIND MIND MI	SQUE	AMOUNT PULLED COMPACEE SET (MD
S186-5296 TYPE ELECTRIC AI ISS, Densi CASING SIZE 10-3/4" 7" SIZE 2 10.5# PERFORATION REC Cliff House 4798-4852 Point Looi 526-5232 Total of	TOP (MD)	RUN RUN Bon /FT. LINER BOTTO: 539 t/ft. 1 of hot/f	CAS CAS DEPTH ST 239 3169 RECORD M (MD) Pt. number) A741 60 ho.	I LOOKE FFOLITI ING RECO ET (MD) FREE SACES CO 272	ICE ION	SCREEN () 82. DEPTH 1: 4741 5186	ACID NTERVAL (0. size 2-1/16 . SHOT. (MD) 2	FRACT	TUBING DEPTH S 4741	REOLET PARTIES AND MIND MIND MIND MIND MIND MIND MIND MI	SQUE	AMOUNT PULLED COM. PACKER SET (MD REZE, ETC. LATERIAL USED
SIZE SIZE PERFORATION BEC C11ff Hour 4798-4852 Point Look 5226-5232 Total of	TOP (MD)	RUN RUN Bon /FT. LINER BOTTO: 539 t/ft. 1 of hot/f	CAS CAS DEPTH ST 239 3169 RECORD M (MD) Pt. number) A741 60 ho.	I LOOKE FFOLITI ING RECO ET (MD) FREE SACES CO 272	DRD (Repersion of the second o	SCREEN () 3/48 SCREEN () 4741 5186	ACID NTERVAL (0. size 2-1/16 . SHOT. (MD) 2	FRACT	TUBING DEPTH S 4741	L CO RECOLUMN TO RECOLUMN THE COLUMN THE COL	STATUS	AMOUNT PULLED COM. PACKER SET (MD REZE, ETC. LATERIAL USED
S186-5296 TYPE ELECTRIC AI INS, Densi CASING SIZE 10-3/4* 78 SIZE	TOP (MD)	RUN - RUN RUN LINER BOTTO: 539 LIVE and : LIVE a	CAS CAS DEPTH ST 239 3169 RECORD M (MD) Pt. number) A741 60 ho.	Flowing, g	DRD (Report of the part of the	SCREEN () 82. DEPTH 1: 4741 5186	ACID NTERVAL (0. size 2-1/16 . SHOT. (MD) 2	Saci	TUBING DEPTH 8 4741 TURE, CI	THE CONTROL OF THE CO	SQUE OF M	AMOUNT PULLED COMA PACKER SET (MD BONG EEZE, ETC. IATERIAL USED 3,000 galo
S186-5296 TYPE ELECTRIC AI INS, Densi CASING SIZE 10-3/4* 78 SIZE 10-54 PERFORATION BEC Cliff House 4798-4852 Point Lood 5226-5232 Total of	TOP (MD)	RUN RUN Bon FT. LINER BOTTO: 539 LIVE and : LI	CAS CAS DEPTH ST 239 3169 RECORD M (MD) Pt. Rumber) A741 60 ho. Rt. 516 METHOD (Flowing, g	ICE ICE PROD PROD PROD PROD PROD PROD PROD PROD	SCREEN 1: BEZ. DEPTH 1: 4741 DUCTION Imping—siz	ACID NTERVAL (0. size 2-1/16 . SHOT. (MD) 2 6	Saci	TUBING DEPTH 8 4741 TURE, CI	EMENT ND KIND COMMENT OF THE COMMENT	SQUE OF M	AMOUNT PULLED AMOUNT PULLED COM. PACKER SET (MD EEZE, ETC. LATERIAL USED 3,000 gala 4 (Producing or
S186-5296 TYPE ELECTRIC AI INS, Densi CASING SIZE 10-3/4* 78 SIZE 10-54 PERFORATION BEC Cliff House 4798-4852 Point Lood 5226-5232 Total of	TOP (MD)	RUN RUN Bon FT. LINER BOTTO: 539 LINER BOTTO: 1 of hot/1 5296	CAS CAS DEPTH SE 239 3169 RECORD M (MD) Pt. number) A741 60 ho Rt. 516 METHOD (HOKE SIZE	Flowing, g	PROE PERIOD	SCREEN ISSUED TO SCREEN	ACID NTERVAL (CEME 175 501 0. SIZE 2-1/16 (MD) 2 6 6A8—MCI	Saci	TUBING DEPTH 8 4741 TURE, CI	EMENT ND KIND COMMENT OF THE COMMENT	STATUS	AMOUNT PULLED AMOUNT PULLED COM. PACKER SET (MD EEZE, ETC. LATERIAL USED 3,000 gala 4 (Producing or
S186-5296 TYPE ELECTRIC ALL INS, Densi CASING SIZE 10-3/4* 78 SIZE 10-56 PERFORATION BEC Cliff House 4798-4852 Point Local 5226-5232 Total of 3.* THE FIRST PRODUCTS OW. TURNO PRESS.	TOP (MD)	RUN RUN Bon FT. LINER BOTTO: 539 LYPT. LINER BOTTO: 539 LYPT. LINER BOTTO: CHE CA RE CA 24	CAS CAS DEPTH SE 239 3169 RECORD M (MD) Pt. number) A741 60 ho. Ct. 511 6 ft.	Flowing, g	PROE PERIOD	SCREEN (1) SCREEN	ACID NTERVAL (STOP e and typ	CEME 175 501 0. SIZE 2-1/16 (MD) 2 6 6A8—MCI	FRACT AM 60,6	TUBING DEPTH S 4741 TURE, CI OUNT AS	EMENT ND KIND COMMENT OF THE COMMENT	STATUS	AMOUNT PULLED COM. PACKER SET (MD PACKER SET (MD GEZE, ETC. (ATERIAL USED 3,000 gala (Producing or CAS-OIL EATTO
SIZE SIZE OF TEST ON THE ELECTRIC A TYPE ELECTRIC A LASING SIZE 10-3/4* 78 SIZE OF 10-56 PERFORATION BEC Cliff House 4798-4852 Point Look 5226-5232 Total of ATE OF TEST OW. TUENNO FRESS.	TOP (MD)	RUN RUN Bon FT. LINER BOTTO: 539 LYPT. LINER BOTTO: 539 LYPT. LINER BOTTO: CHE CA RE CA 24	CAS CAS DEPTH SE 239 3169 RECORD M (MD) Pt. number) A741 60 ho. Ct. 511 6 ft.	Flowing, g	PROE PERIOD	SCREEN (1) SCREEN	ACID NTERVAL (CEME 175 501 0. SIZE 2-1/16 (MD) 2 6 6A8—MCI	FRACT AM 60,6	TUBING DEPTH S A741 TURE, CO SOUNT AND WATE	EMENT ND KIND COMMENT OF THE COMMENT	STATUS OIL GE	AMOUNT PULLED AMOUNT PULLED COM PACKER SET (MD REZE, ETC. LATERIAL USED 3,000 gala G (Producing or CAS-OIL EATIO RAVITY-API (CORR.)
SIZE CASING SIZE 10-3/4* 78 SIZE 1. PERFORATION REC C11f1 Hour 4798-4852 Point Look 5226-5232	TOP (MD) TOP (M	RUN RUN Bon FT. LINER BOTTO: 539 LYPT. LINER BOTTO: 539 LYPT. LINER BOTTO: CHE CA RE CA 24	CAS CAS DEPTH SE 239 3169 RECORD M (MD) Pt. number) A741 60 ho. Ct. 511 6 ft.	Flowing, g	PROE PERIOD	SCREEN (1) SCREEN	ACID NTERVAL (STOP e and typ	CEME 175 501 0. SIZE 2-1/16 (MD) 2 6 6A8—MCI	FRACT AM 60,6	TUBING DEPTH S 4741 TURE, CI OUNT AS WATE	RECOMMENT OF THE SHARE S	STATUS OIL GE	AMOUNT PULLED AMOUNT PULLED COM PACKER SET (MD REZE, ETC. LATERIAL USED 3,000 gala G (Producing or CAS-OIL EATIO RAVITY-API (CORR.)

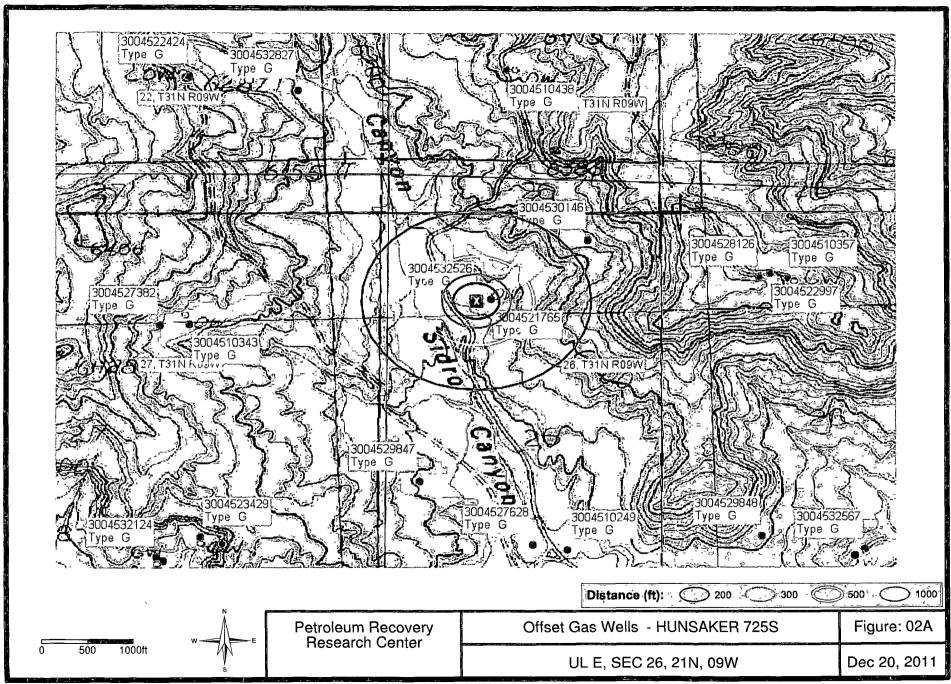
SIGNED _







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