

July 18, 2006

Mrs. Diana Whitney  
State of Utah  
Division of Oil Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill - Petro-Hunt, L.L.C.  
**Vonda H. Christensen Family LP 35A-3-1- 1,430' FNL & 2,200' FEL, SW/4 NE/4**  
Section 35, T16S, R2E, SLB&M, Sanpete County, Utah

Dear Mrs. Whitney:

On behalf of Petro-Hunt, L.L.C.. (Petro-Hunt), Buys & Associates, Inc. respectfully submits the enclosed original and one copy of the Application for Permit to Drill (APD) for the above referenced fee surface and mineral vertical well. A request for exception to spacing (R649-3-2) is hereby requested based on topography since the well is located less than 460' of the drilling unit boundary. Petro-Hunt is the only owner and operator within 460' of the proposed well. Included with the APD is the following supplemental information:

- Exhibit "A" - Survey plats, layouts and cut and fill drawing of the proposed well site;
- Exhibit "B" - Proposed location maps with access corridor;
- Exhibit "C" - Christensen Surface Use Agreement (pending);
- Exhibit "D" - Drilling Plan and Drilling Procedure;
- Exhibit "E" - Surface Use Plan;
- Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Petro-Hunt's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Mick Homiston of Petro-Hunt at 701-863-6622 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*

Don Hamilton  
Agent for Petro-Hunt

cc: Mick Homiston, Petro-Hunt  
Cary Vice, Petro-Hunt  
Lee Holmstead, Sanpete County

RECEIVED

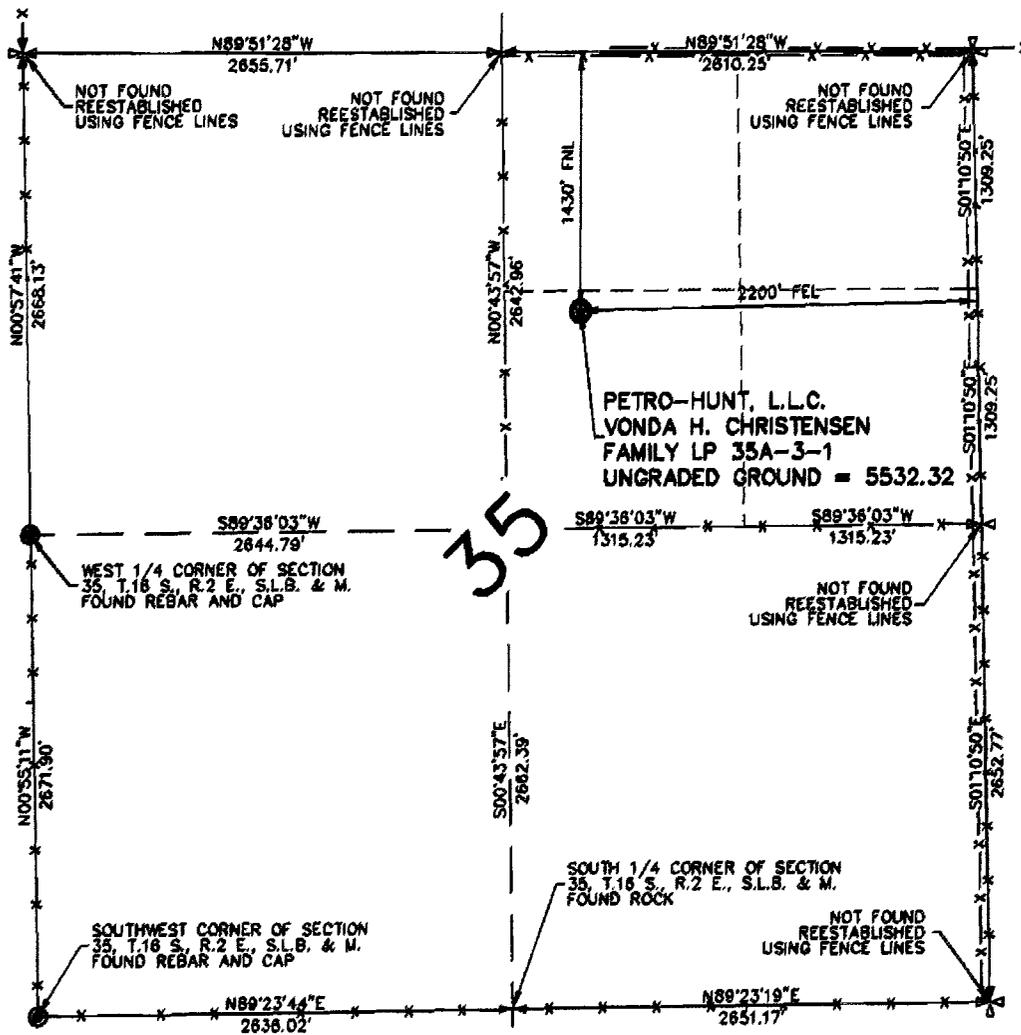
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DIV. OF OIL, GAS & MINING

ORIGINAL  
CONFIDENTIAL



# Section 35, T.16 S., R.2 E., S.L.B. & M.



### BASIS OF BEARINGS

BASIS OF BEARING USED WAS  $N00^{\circ}35'11''W$  BETWEEN THE SOUTHWEST CORNER AND THE WEST QUARTER CORNER OF SECTION 35, T.16 S., R.2 E., S.L.B. & M.  
 LATITUDE =  $39^{\circ}22'56.26780''$  ( $39.382852167$ ) NAD 83  
 LONGITUDE =  $-111^{\circ}39'48.79950''$  ( $-111.662899881$ ) NAD 83

### PROJECT

## Petro-Hunt, L.L.C.

WELL LOCATION, LOCATED AS SHOWN IN THE S.W. 1/4 OF THE N.E. 1/4 OF SECTION 35, T.16 S., R.2 E., S.L.B. & M. SANPETE COUNTY, UTAH

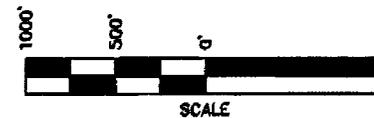
### LEGEND

- = REBAR AND CAP (LOCATED)
- = QUARTER SECTION CORNERS (LOCATED)
- = SECTION CORNERS (NOT LOCATED)
- = QUARTER SECTION CORNERS (NOT LOCATED)
- = PROPOSED WELL HEAD

NOTE: THE PURPOSE OF THIS SURVEY WAS TO PLAT THE PETRO-HUNT, L.L.C. VONDA H. CHRISTENSEN FAMILY LP 35A-3-1 LOCATION. LOCATED IN THE S.W. 1/4 OF THE N.E. 1/4 OF SECTION 35, T.16 S., R.2 E., S.L.B. & M., SANPETE COUNTY, UTAH.

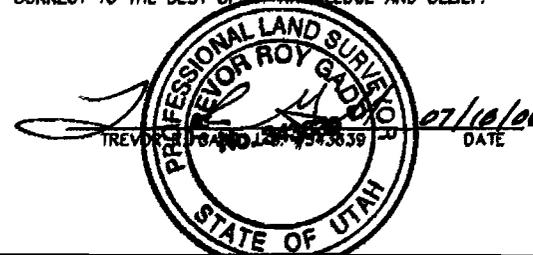
### BASIS OF ELEVATION

ELEVATION BASED ON A ROAD INTERSECTION AT THE NORTHEAST CORNER OF SECTION 35, T.16 S., R.2 E., S.L.B. & M. ON THE WALES UTAH 7.5 MINUTE U.S.G.S. QUADRANGLE MAP. ELEVATION IS 5521.00.



### CERTIFICATE

THIS IS TO CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**Jones & Demille Engineering**  
 1536 South 100 West - Richfield, Utah 84701  
 Phone (435) 896-8268  
 Fax (435) 896-8268  
 www.jonesanddemille.com

Well Location Plat for Petro-Hunt, L.L.C.

Vonda H. Christensen Family LP 35A-3-1

DESIGNED	SURVEYED	CHECKED	DRAWN	PROJECT NO.	SHEET NO.
	T.W.G.	T.R.G.	T.R.G.	0608-130	1
DATE		DWG. NAME	SCALE		
06/22/06		WELL-LOC.	1"=1000'		

**DRILLING PLAN**  
**APPROVAL OF OPERATIONS**

**Attachment for Permit to Drill**

**Name of Operator:** Petro-Hunt, L. L. C.  
**Address:** 1601 Elm Street, Suite 3400  
Dallas, Tx 75201-7254

**Well Location:** Vonda H. Christensen Family LP 35A-3-1  
Sanpete County, UT

1. GEOLOGIC SURFACE FORMATION Tertiary Undivided

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth MD</u>
Jurassic Navajo	9,850'
Proposed Total Depth	16,700'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Jurassic Navajo	9,850'	Oil

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Conductor	20"	94.0 ppf	H-40	BTC	0'	1,000'	26"
Surface	13-3/8"	61.0 ppf	K-55	BTC	0'	4,500'	17-1/2"
Intermediate	9-5/8"	53.5 ppf	P-110	LTC	0'	8,450'	12-1/4"
Drilling Liner	7-5/8"	39.0 ppf	Q-125	HDL	7,950'	13,500'	8-1/2"
Production	5-1/2"	20.0 ppf	P-110	LTC/HDL	0'	16,700'	6-1/2"

Note: The drilled depth of the surface hole and the setting depth of the surface casing may vary from 4,000' to 4,500'. Should a lost circulation zone be encountered while drilling, casing will be set approximately 300' below the lost circulation zone. If no lost circulation zone is encountered, casing to be set at 4,500'±.

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized. Air foam mist, rotating head and diverter system may be utilized.

Intermediate & Drilling Liner hole: Prior to drilling out the surface casing shoe, intermediate and drilling liner, 5,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth if operations permit. The blind rams will be functioned once per day from surface to total depth if operations permit.

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. There will be two valves and one check valve on the kill line, two valves on the choke line, and an adjustable choke on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind), rated to 5,000 psi working pressure and one annular type

**VONDA H. CHRISTENSEN FAMILY LP 35A-3-1  
SANPETE COUNTY, UTAH  
DRILLING PLAN**

preventer, rated to a minimum of 5,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for five (5) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1. Annular BOP	1,500 psi
2. Ram type BOP	5,000 psi
3. Kill line valves	5,000 psi
4. Choke line valves and choke manifold valves	5,000 psi
5. Chokes	5,000 psi
6. Casing, casinghead & weld	1,500 psi
7. Upper kelly cock and safety valve	5,000 psi
8. Dart valve	5,000 psi

6. MUD SYSTEMS

- A freshwater / gel system will be used to drill the surface hole.
- A salt saturated mud system will be used to drill well thru the anticipated salt section.
- A lignosulfonate system will be used to drill the well below the salt section to total depth.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 4,500'	8.4 – 9.0	Freshwater / gel system.
4,500' – 8,450'	9.0 – 10.8	Saturated salt mud system
8,450' – 13,500'	9.0 – 10.0	Lignosulfonate mud system
13,500' – 16,700'	10.0	Lignosulfonate mud system

7. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

8. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Navajo is possible.
- Four electric wireline logs will be runs from total depth to surface are anticipated for this well.
- The gamma ray will be left on to record from total depth to surface.
- Other log curves (resistivity, porosity, and caliper) will record from total depth to surface.
- A dipmeter and rotary sidewall cores may be run over selected intervals.

9. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 5,000 psi (approximately equal to normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

10. WATER SUPPLY

- The water supply for construction, drilling and operations will be provided by the city of Wales or Ephraim through a direct water purchase.
- No water well is proposed with this application.
- Should additional water sources be pursued they will be properly permitted through the State of Utah – Division of Water Rights.

**VONDA H. CHRISTENSEN FAMILY LP 35A-3-1  
SANPETE COUNTY, UTAH  
DRILLING PLAN**

**11. CEMENT SYSTEMS\***

**a. Conductor Cement:**

- Drill 26" hole to 1,000'±, run and cement 20" to surface (depth to vary based on depth of lost circulation zone).
- Pump 20 bbls fresh water spacer. Displace with mud.
- Casing to be run with: a) float shoe b) float collar c) twelve (12) centralizers, two on the first joint and one per joint for the next ten joints d) bottom two joints thread locked f) pump job with top plug only.
- Cement the casing annulus to surface. Top out job to be performed if needed, a 1" tubing string may or may not be utilized.
- Cement design to be determined.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	935	0'-700'	12.5 ppg	1.98 CFS	1053 CF	1851 CF
Tail	760	700'-1,000'	15.8 ppg	1.16 CFS	451CF	881 CF
Top Out	100	0'-50'	15.8 ppg	1.17 CFS	50 CF	117 CF

Surface design volumes based on 75% excess of gauge hole. (Typical design, subject to change).

Lead Mix:	50/50 Poz Premium + 6% gel + 10% Cal-Seal + .25#/sx Flocele					
	Slurry yield:	1.98 cf/sack		Slurry weight:	12.5 #/gal.	
	Water requirement:	10.50 gal/sack				
Tail Mix:	Premium + 1% CaCl + .25 #/sx Flocele					
	Slurry yield:	1.16 cf/sack		Slurry weight:	15.80 #/gal.	
	Water requirement:	4.99 gal/sack				
Top Out:	Premium + 2% CaCl					
	Slurry yield:	1.17 cf/sack		Slurry weight:	15.80 #/gal.	
	Water requirement:	5.02 gal/sack				

**b. Surface Cement:**

- Drill 17-1/2" hole to 4,500'±, run and cement 13-3/8" to surface (depth to vary based on depth of lost circulation zone).
- Pump 20 bbls fresh water spacer. Displace with mud.
- Casing to be run with: a) float shoe b) float collar c) twelve (12) centralizers, two on the first joint and one per joint for the next ten joints d) bottom two joints thread locked f) pump job with top and bottom plugs.
- Cement the casing annulus to surface. Top out job to be performed if needed, a 1" tubing string may or may not be utilized.
- Cement design to be determined.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	1090	0'-3,500'	11.0 ppg	3.33 CFS	2431 CF	3629 CF
Tail	940	3,500'-4,500'	15.8 ppg	1.15 CFS	694CF	1081 CF
Top Out	100	0'-100'	15.6 ppg	1.17 CFS	69 CF	120 CF

Surface design volumes based on 50% excess of gauge hole. (Typical design, subject to change).

Lead Mix:	CBM Lite + .25#/sx Flocele					
	Slurry yield:	3.33 cf/sack		Slurry weight:	11.0 #/gal.	
	Water requirement:	21.13 gal/sack				
Tail Mix:	Premium + .25 #/sx Flocele					
	Slurry yield:	1.15 cf/sack		Slurry weight:	15.80 #/gal.	
	Water requirement:	4.98 gal/sack				
Top Out:	Premium + 2% CaCl					
	Slurry yield:	1.20 cf/sack		Slurry weight:	15.60 #/gal.	
	Water requirement:	5.26 gal/sack				

*Surf to 680 w/ 15% washout*

**VONDA H. CHRISTENSEN FAMILY LP 35A-3-1  
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DRILLING PLAN**

c. Intermediate Casing Cement:

- Drill 12-1/4" hole to 8,450' ±, run and cement 9-5/8".
- Pump 20 bbl 5% KCL water. Displace with salt saturated mud.
- Casing to be run with: a) float shoe b) float collar c) twelve (12) centralizers, two on the first joint and one per joint for the next ten joints d) bottom two joints thread locked f) pump job with top and bottom plugs.
- Cement design to be determined.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	1185	3,500'-8,450'	13.0 ppg	1.71 CFS	1550 CF	2026 CF

Intermediate design volumes are estimates based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring cement to 1,000' above 13 3/8" surface casing shoe + 15% excess. (Typical design, subject to change)

Lead Mix: 50/50 Poz + 1% gel + .3% D-Air + 15% salt + .4% Halad R567 + .25 #/sx Flocele + 5 #/sx gilsonite + .2% CFR3

Slurry yield: 1.71 cf/sack                      Slurry weight: 13.0 #/gal.  
Water requirement: 7.90 gal/sack

d. Drilling Liner Cement:

- Drill 8-1/2" hole to 13,500' ±, run and cement 7-5/8" liner.
- Pump 30 bbl 10.0 ppg Tuned spacer.
- Displace with lignosulfonate mud.
- Cement design to be determined.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	610	7,750'-13,500'	14.35 ppg	1.24 CFS	444 CF	756 CF

Drilling liner design volumes are estimates based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 700' above 9 5/8" intermediate casing shoe + 15% excess. (Typical design, subject to change)

Lead Mix: 50/50 Poz + .3% HR5 + .3% Halad R344 + 4% Microbond HT

Slurry yield: 1.24 cf/sack                      Slurry weight: 14.35 #/gal.  
Water requirement: 5.44 gal/sack

e. Production Casing Cement:

- Drill 6-1/2" hole to 16,700' ±, run and cement 5 1/2" production casing.
- Pump 30 bbl 12.0 ppg Tuned spacer.
- Displace with 2% KCL completion fluid
- Cement design to be determined.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	285	12,000'- 16,700'	14.3 ppg	1.43 CFS	320 CF	407 CF

Drilling liner design volumes are estimates based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 1,500' above 9 5/8" intermediate casing shoe + 15% excess. (Typical design, subject to change)

Lead Mix: 50/50 Poz + .3% CFR3 + .3% Halad R344 + 20% SSA-1 + .3% HR12

Slurry yield: 1.43 cf/sack                      Slurry weight: 14.3 #/gal.  
Water requirement: 6.17 gal/sack

\* Actual cement designs may vary dependent upon selected vendor, casing depths, temperatures and well conditions.

**VONDA H. CHRISTENSEN FAMILY LP 35A-3-1  
SANPETE COUNTY, UTAH  
DRILLING PLAN**

**12. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS**

Starting Date: September 6, 2006  
Duration: 90 Days

**PETRO HUNT L. L. C.**  
**PROPOSED DRILLING PROCEDURE**  
**VONDA H. CHRISTENSEN FAMILY LP 35A-3-1**  
WILDCAT  
SANPETE COUNTY, UT  
7/10/06

SURFACE LOCATION: 1,436' FNL AND 2,209' FEL OF SEC 35, T 16 S, R 2 E

BTM HOLE LOCATION: SAME AS ABOVE

**THIS DRILLING PROCEDURE HAS BEEN PROPOSED IN CONSIDERATION OF AND WITH RESPECT GIVEN TO THE MANY VARIABLES AND POTENTIAL PROBLEMS THAT MAY BE ENCOUNTERED IN THE DRILLING OF THIS WELL IN THIS GEOGRAPHICAL AREA. THEREFORE, THIS PROCEDURE IS TO SERVE AS A GENERAL GUIDELINE FOR THE DRILLING OF THIS WELL AND WILL BE REVIEWED AND MODIFIED WHEN REQUIRED AS DETERMINED BY ACTUAL WELLBORE CONDITIONS ENCOUNTERED IN THE DRILLING OPERATIONS. SAFETY AND PRUDENT DRILLING PRACTICES WILL TAKE PRIORITY AT ALL TIMES.**

**PETRO HUNT L. L. C. WILL ISOLATE ALL FRESH WATER, OIL AND / OR GAS BEARING INTERVALS WITH OIL WELL CEMENT AND / OR CASING.**

**ON ALL TRIPS, WHEN THE DRILL PIPE IS OUT OF THE HOLE, FUNCTION TEST THE BOP'S AND RECORD SAME ON IADC TOUR REPORTS.**

1. **MIRU drilling.** Install location sign in compliance with DOGM regulations on the derrick or in a conspicuous place near the well. We will utilize a lined earthen reserve pit. Insure the rig is completely rigged up prior to accepting the rig on daywork. The 30" x .375" conductor will be set prior to moving the rig on location to a depth of 80'.
2. **Notify DOGM within 24 hours of spudding the well and 24 hr prior to testing BOP's or any casing string.** Install bell nipple and flowline.

Note: Rig up mudlogging unit prior to spud.

3. **PU 26" BHA, spud well and drill 26" hole to +/-1,000 RKB.** Take surveys every 250' while drilling. Circulate hole clean and pull out of the hole.
4. Rig up and log.
5. Trip in the hole with 26" bit. Circulate hole clean and pull out of the hole to run casing.
6. Rig up casing tools. Pick up double valve float shoe and run 20" 94# H40 GB-BTC casing to 1,000' RKB. Run one cement basket above the 30" shoe.

Drilling Procedure

7. Rig up cementing head and circulate. Cement casing as per attached cementing procedure. Wait on cement 6 hours. **Notify DOGM 24 hr prior to testing BOP's.**
8. Rig down casing tools. Cut window in 30" conductor pipe and make rough cut on 20" casing. Make final cut on 20" casing and install starting head. Test head to 50% collapse rating of the 20" casing.
9. NU diverter spool and annular. Function test diverter and test annular and 20" casing with 605 psi for 30 minutes (the hydrostatic of the mud + 605 psi exceeds 70% of burst rating of the 20" casing). **Notify DOGM 24 hr prior to testing all casing strings.**
10. PU 17 1/2" BHA and drill 17 1/2" hole to +/-4,500 RKB. Take surveys every 250' while drilling. Circulate hole clean and pull out of the hole.
11. Rig up and log.
12. Trip in the hole with 17 1/2" bit. Circulate hole clean and pull out of the hole to run casing.
13. Rig up casing tools. Pick up float shoe, 2 joints 13 3/8" 61# K55 BTC casing and float collar. Run 13 3/8" 61# K55 BTC casing to 4,500' RKB.
14. Rig up cementing head and circulate. Cement casing as per attached cementing procedure. Wait on cement 6 hours. **Notify DOGM 24 hr prior to testing BOP's.**
15. Rig down casing tools. Make rough cut and final cut on 13 3/8" casing and install casing spool. Test head to 50% collapse rating of the 13 3/8" casing.
16. NU DSA and BOP stack. Install pipe rams on top & bottom and blinds in middle ram. Test BOP's - rams with 5,000 psi and annular with 3500 psi.
17. Pick up 12 1/4" BHA and trip in the hole to float collar. Test 13 3/8" casing with 1,000 psi for 30 minutes (the hydrostatic of the mud + 1000 psi, exceeds 70% of burst rating of 13 3/8" casing). **Notify DOGM 24 hr prior to testing all casing strings.**
18. Drill float equipment, cement and 5' of new formation. Circulate bottoms up and perform formation integrity test with pump truck to 12.0 ppg EMW. Anticipated fracture gradient at this depth is 14.4 ppg.
19. Drill 12 1/4" hole to intermediate casing point at +/-8,450' RKB, taking MWD surveys every 100'. This casing point is intended to be +/-200' below the base of the salt. Circulate and condition hole to run casing. Pull out of hole (SLMOH).
20. Rig up lubricator and log.
21. Trip in the hole with 12 1/4" bit. Circulate hole clean and pull out of the hole to run casing.
22. Rig up casing tools. Pick up float shoe, 2 joints 9 5/8" 53.5# P110 LTC casing and float collar. Run 9 5/8" 53.5# P110 LTC casing to 8,450' RKB.

23. Rig up cementing head and circulate. Cement casing as per attached cementing procedure. Final cement volume may be determined by hole caliper results. Do not overdisplace cement by more than ½ the volume of the shoe track. Check to insure floats are holding. **Notify DOGM 24 hr prior to testing BOP's.**
24. Pick up stack with stack-lifter and set full weight of casing on slips. Make a rough cut and final cut on 9 5/8" casing. NU casing spool and test spool to 50% collapse rating of the 9 5/8" casing. NU DSA and BOP's.
25. Test BOP's – rams with 5,000 psi and annular with 3,500 psi. The MASP at this point is 2997 psi. Utilize nipple up and test crew.
26. Trip in the hole with 8 ½" BHA to the float collar and test 9 5/8" casing with 2,900 psi for 30 minutes (the hydrostatic of the 10.8 ppg mud in the casing + 2,900 psi exceeds 70% of the burst rating of the 9 5/8" casing). **Notify DOGM 24 hr prior to testing all casing strings.**
27. Drill float equipment, cement and 5' of new formation. Circulate bottoms up and perform formation integrity test with pump truck to 13.0 ppg EMW. Anticipated fracture gradient at this depth is 16.0 ppg.
28. Drill 8 1/2" hole to +/- 13,500' RKB, taking surveys with MWD every 100'. Circulate hole clean. Pull out of the hole (SLMOH).
29. Rig up lubricator and log.
30. Trip in the hole with 8 1/2" bit. Circulate hole clean and pull out of the hole to run casing.
31. Rig up casing tools. Pick up float shoe, 1 joint 7 5/8" casing, float collar, 1 joint 7 5/8" casing and landing collar. Finish making up 7 5/8" 39.0# Q125 HDL liner with 500' lap. Make up liner hanger and run liner to TD on drill pipe.
32. Rig up cementing head and circulate. Hang off liner and cement as per attached cementing procedure. Do not overdisplace cement by more than ½ the volume of the shoe track. Bump plug with 1,000 psi over late pumping pressure. Check to insure floats are holding. Test liner top with 1500 psi, reverse out on top of liner and pull out of hole with setting tool. **Notify DOGM 24 hr prior to testing all casing strings.**
33. Test BOP's – rams with 5,000 psi and annular with 3,500 psi.
34. Trip in the hole with 6 ½" BHA, picking up 3 ½" stinger. Test 7 5/8" liner and 9 5/8" casing with 1,500 psi for 30 minutes (the hydrostatic of the 10.0 ppg fluid in the casing + 1,500 psi, exceeds 70% of the burst rating of the 9 5/8" casing). **Notify DOGM 24 hr prior to testing all casing strings.**

Drilling Procedure

35. Drill float equipment, cement and 5' of new formation. Circulate bottoms up and perform formation integrity test with pump truck to 13.0 ppg EMW. Anticipated fracture gradient at this depth is 17.4 ppg.
36. Drill 6 1/2" hole to +/- 16,700' RKB, taking surveys with MWD every 100'. Circulate and condition hole for logging. Pull out of the hole (SLMOH).
37. Rig up lubricator and log. Evaluate well.
38. Completion procedure or P & A procedure will follow as needed.

EXHIBIT "E"  
Multipoint Surface Use Plan

Attached to UDOGM Form 3  
Petro-Hunt, L.L.C.  
Vonda H. Christensen Family LP 35A-3-1  
1,430' FNL & 2,200' FEL, SW/4 NE  
Section 35, T16S, R2E, SLB&M, Sanpete County, Utah

The dirt contractor will be provided with an approved copy of this document prior to initiating construction.

A private surface use agreement is necessary prior to initiating construction.

**1. Existing Roads**

- a. Access to the well site will utilize an existing pavement-surfaced River Lane Road County Road under Sanpete County Road Department maintenance (See Exhibit "B") in which approval to encroach is pending at this time.
- b. The existing county road will not be upgraded but an encroachment will be developed where the proposed access to the well leaves the paved surface.
- c. We do not plan to change, alter or improve upon any other existing state or county roads.
- d. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to any State or County access roads no topsoil striping will occur.

**2. Planned Access Roads**

- a. From the existing River Land Road an access is proposed trending south then west approximately 1,800' to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages.

- b. A road design plan is not anticipated at this time.
- c. The proposed access road will consist of a 24' travel surface within a 30' disturbed area across Vonda H. Christensen Family LP surface.
- d. DOGM approval to construct and utilize the proposed access road is requested with this application.
- e. A maximum grade of 10% will be maintained throughout the project with no major cuts and fills anticipated.
- f. No turnouts are proposed since the access road is only 1,800' long and adequate sight distance exists in all directions.
- g. One low water crossing and two 18" culverts are anticipated where small drainages are crossed and where the new road leaves the paved surface. Adequate drainage structures will be incorporated into the remainder of the road.
- h. No surfacing material will come from federal or State lands.
- i. A gate and cattleguard structure is anticipated as the access road crosses the county road right-of-way fence.
- j. Surface disturbance and vehicular travel will be limited to the approved location access road.
- k. The operator will be responsible for all maintenance of the access road including drainage structures.

### **3. Location of Existing Wells**

- a. No existing production wells are known to exist within a one mile radius of the proposed location.

### **4. Location of Existing and/or Proposed Facilities**

- a. If the well is deemed productive a sundry notice reflecting the production site layout will be submitted for approval.
- b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with landowner stipulations.

## **5. Location and Type of Water Supply**

- a. The location and type of water supply has been addressed as #11 within Exhibit "D". (Drilling Plan).

## **6. Source of Construction Materials**

- a. Any necessary construction materials needed will be obtained locally from a private source and hauled to the location on existing roads.

## **7. Methods for handling waste disposal**

- a. A small reserve pit will be constructed with a minimum of one-half the total depth below the original ground surface on the lowest point within the pit. The pit will be lined with a synthetic liner. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four feet. The fence will be kept in good repair while the pit is drying.
- b. Following drilling, the liquid waste will be evaporated from the pit and the pit backfilled and returned to natural grade. No liquid hydrocarbons will be discharged to the reserve pit or location.
- c. In the event fluids are produced, any oil will be retained in tanks until sold and any water produced will be retained until its quality can be determined. The quality and quantity of the water will determine the method of disposal.
- d. Trash will be contained in a portable metal container and will be hauled from location periodically and disposed of at an approved disposal site. Chemical toilets will be placed on location and sewage will be disposed of at an appropriate disposal site.

## **8. Ancillary Facilities**

- a. We anticipate no need for ancillary facilities with the exception of trailers to be located on the drill site.

## **9. Well-site Layout**

- a. Available topsoil will be removed from the location and stockpiled. The location of the rig, reserve and blooie pits, and drilling support equipment will be located as shown on Exhibit "A", Sheet SP-01 (Location Layout).
- b. A blooie pit will be located 100' from the drill hole. A line will be placed on the surface from the center hole to the blooie pit. The blooie pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c. Access to the well pad will be as shown on the location layout.
- d. Natural runoff will be diverted around the well pad as shown on the location layout.

## **10. Plans for Restoration of Surface**

- a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum.
- b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
- c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.
- d. Any oil accumulation on the pit will be removed or overhead flagged as dictated by then existing conditions.
- e. Rehabilitation will commence following completion of the well. Holes will be filled immediately upon release of the drilling rig from the location. If the well-site is to be abandoned, all disturbed areas will be recontoured to the natural contour as is possible.

## **11. Surface Ownership**

- a. The well-site and access road will be constructed on lands owned by:
  - i. The Vonda H. Christensen Family Limited Partnership  
Contact: R Halbert Christensen, General Partner  
Cell Phone: 801.380.5360  
Address: 790 South 2080 East,  
Springville, UT 84663

- b. A surface use agreement is presently pending and will be submitted as Exhibit 'C' when fully-executed.
- c. The operator shall contact the landowner and the Division of Oil, Gas and Mining 48 hours prior to beginning construction activities.

12. **Other Information:**

- a. The primary surface use is wildlife habitat and grazing. The nearest dwelling is near Ephraim approximately 2.5 miles east of the proposed location. The nearest live water is the San Pitch River approximately 1.75 miles east.
- b. If there is snow on the ground when construction begins, it will be removed before the soil is disturbed, and piled downhill from the topsoil stockpile location.
- c. The back-slope and fore-slope will be constructed no steeper than 3:1.
- d. All equipment and vehicles will be confined to the access road and well pad.
- e. A complete copy of the approved Application for Permit to Drill (APD) including conditions and stipulations and the surface use agreement shall be on the well-site during construction and drilling operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the Division of Oil, Gas & Mining.

13. **Company Representative**

Mick Homiston  
Petro-Hunt, L.L.C.  
258 – 119<sup>th</sup> Ave. SW  
Killdeer, ND 58640  
701-863-6622

**Company Agent**

Don Hamilton  
Buys & Associates, Inc  
2580 Creekview Road, Moab, Utah 84532  
435-718-2018

**14. Certification**

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by Petro-Hunt, L.L.C. and its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7-18-2006

Date

Don Hamilton

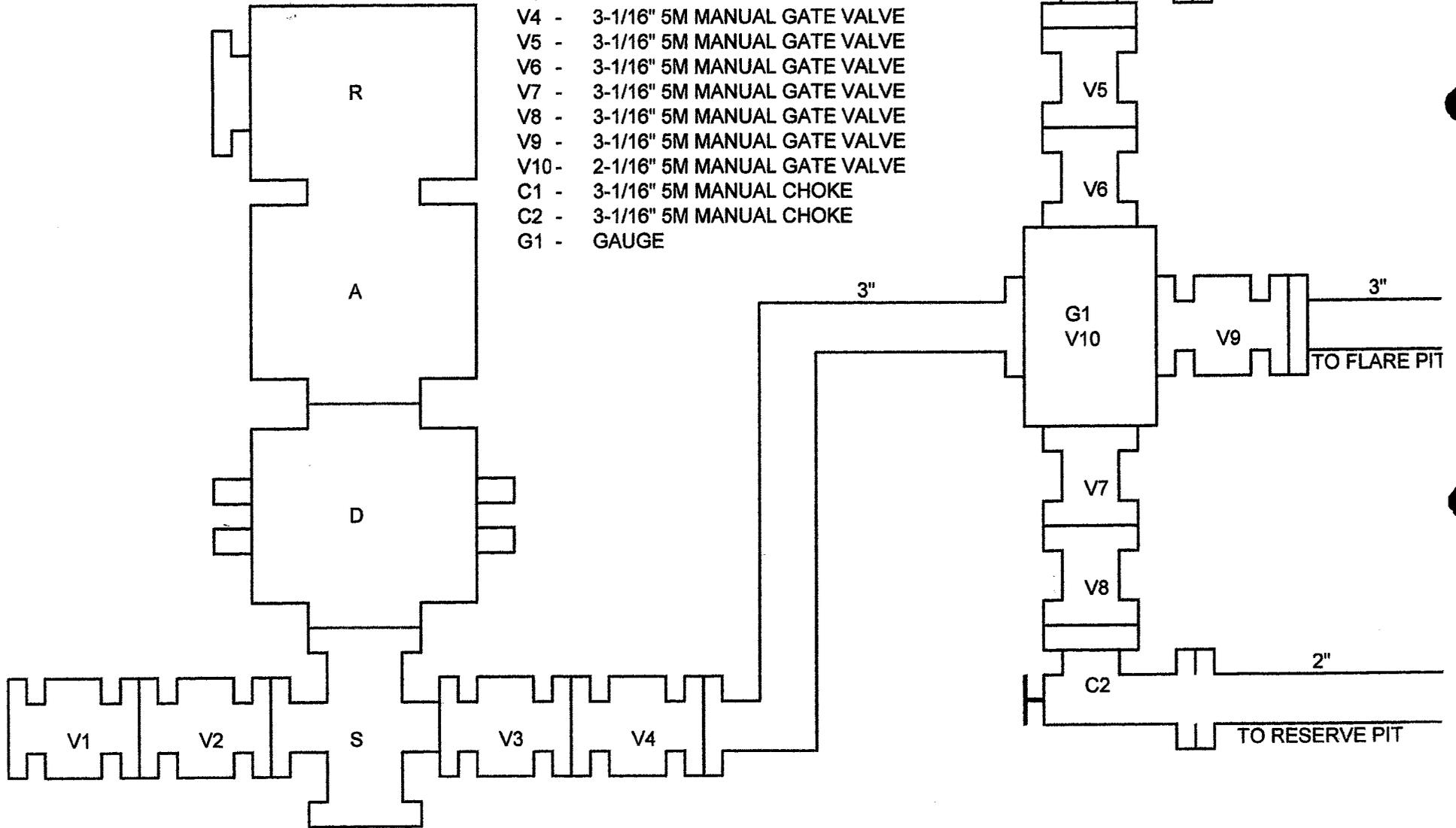
Don Hamilton

Agent for Petro-Hunt, L.L.C.

ORIGINAL

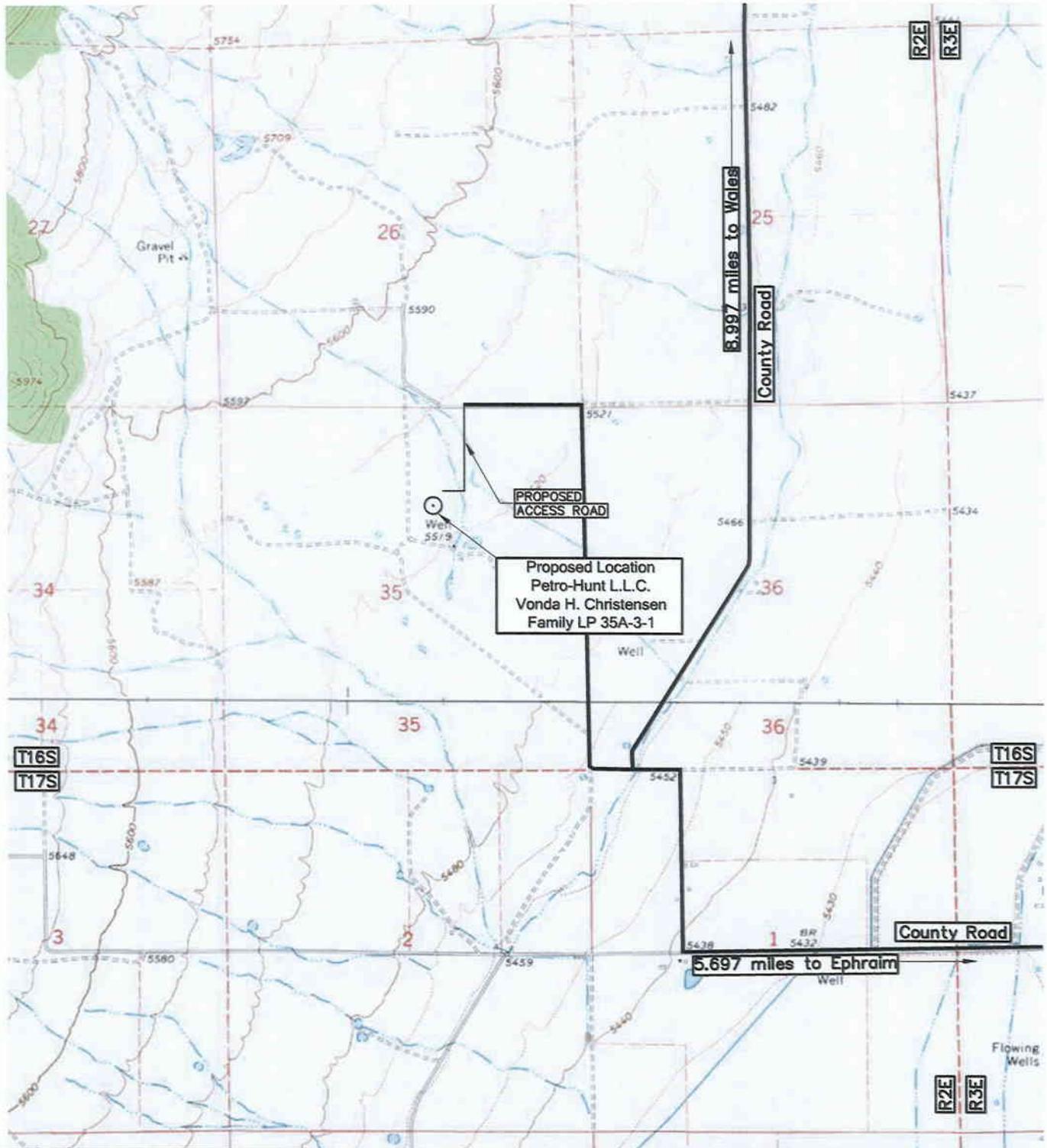
BOP STACK AND  
CHOKE MANIFOLD  
SCHEMATIC

- R - ROTATING HEAD-IF NEEDED
- A - 11" 3M ANNULAR BOP
- D - 11" 3M DOUBLE RAM BOP
- S - 11" 3M DRILLING SPOOL
- V1 - 2-1/16" 5M CHECK VALVE
- V2 - 2-1/16" 5M MANUAL GATE VALVE
- V3 - 3-1/16" 5M MANUAL GATE VALVE
- V4 - 3-1/16" 5M MANUAL GATE VALVE
- V5 - 3-1/16" 5M MANUAL GATE VALVE
- V6 - 3-1/16" 5M MANUAL GATE VALVE
- V7 - 3-1/16" 5M MANUAL GATE VALVE
- V8 - 3-1/16" 5M MANUAL GATE VALVE
- V9 - 3-1/16" 5M MANUAL GATE VALVE
- V10 - 2-1/16" 5M MANUAL GATE VALVE
- C1 - 3-1/16" 5M MANUAL CHOKE
- C2 - 3-1/16" 5M MANUAL CHOKE
- G1 - GAUGE









**LEGEND**

○ PROPOSED LOCATION

**Petro-Hunt, L.L.C.**  
**Vonda H. Christensen Family LP 35A-3-1**  
 Section 35, T.16 S., R.2 E., S.L.B. & M.  
 1430' FNL 2200' FEL



**Jones & DeMille Engineering**

1535 South 100 West - Richfield, Utah 84701  
 Phone (435) 896-8266 Fax (435) 896-8268  
 www.jonesanddemille.com



SCALE: 1" = 2000'

Petro-Hunt, L.L.C.		FIGURE: 1
Vonda H. Christensen LP 35A-3-1		
Vicinity Map		
DRAWN: T.W.G. 06/27/06	PEN TEL: _1stndrd-lp2600.cib	PROJECT: 0606-130
CHECK: T.R.G. 06/27/06	FILE: VICINITY	LAST UPDATE: 6/27/2006
		SHEET: 1

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/20/2006

API NO. ASSIGNED: 43-039-30033

WELL NAME: VHCF 35A-3-1  
 OPERATOR: PETRO-HUNT, LLC ( N2815 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 701-863-6622

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering	DKD	10/6/06
Geology		
Surface		

SWNE 35 160S 020E  
 SURFACE: 1430 FNL 2200 FEL  
 BOTTOM: 1430 FNL 2200 FEL  
 COUNTY: SANPETE  
 LATITUDE: 39.38279 LONGITUDE: -111.6618  
 UTM SURF EASTINGS: 443000 NORTHINGS: 4359257  
 FIELD NAME: WILDCAT ( 1 )

LEASE TYPE: 4 - Fee  
 LEASE NUMBER: FEE  
 SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: NAVA  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. RLN0008181 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. Municipal )
- RDCC Review (Y/N)  
(Date: 08/19/2006 )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

Needs Present (09-06-06)

STIPULATIONS:

1- Spacing Strip  
2- STATEMENT OF BASIS

T16S R2E

VHCF 35A-3-1

35

36

T17S R2E

OPERATOR: PETRO-HUNT LLC (N2815)

SEC: 35 T.16S R. 2E

FIELD: WILDCAT (001)

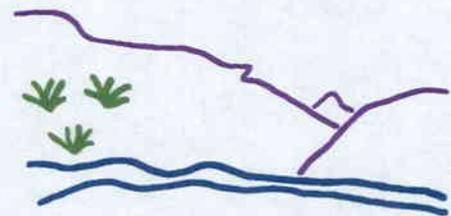
COUNTY: SANPETE

SPACING: R649-3-3 / EXCEPTION LOCATION

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 04-AUGUST-2006

# Application for Permit to Drill

## Statement of Basis

10/3/2006

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Ownr</b>	<b>CBM</b>
64	43-039-30033-00-00		OW	P	No
<b>Operator</b>	PETRO-HUNT, LLC		<b>Surface Owner-APD</b>		
<b>Well Name</b>	VHCF 35A-3-1		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>		
<b>Location</b>	SWNE 35 16S 2E S 0 FL 0 FL GPS Coord (UTM) 443000E 4359257N				

### Geologic Statement of Basis

This location is placed just to the east of the south central portion of the Gunnison Plateau area, near the extreme western edge of the Colorado Plateau physiographic province in western central Utah. Some people have characterized this area as being in the Basin and Range - Colorado Plateau transition zone. It is otherwise characterized as being astride the Sevier Overthrust Belt. The location is on fee land about 4.5 miles west northwest of Ephriam, Utah, about 1.5 miles northwest of the San Pitch River in Sanpete County. This location falls very near the plateau-bounding Wales-Gunnison backthrust fault. A well at this location will spud into a soil developed on Quaternary Coalesced Fan deposits. It is uncertain what strata lie beneath these deposits. Nearly a mile to the west northwest, the nearest mapped exposures below the coalesced fan deposits are of the Tertiary Flagstaff Formation, but the area is apparently badly broken up by normal faulting. The area is in a primary valley fill recharge area near the transition to a valley fill discharge area. Considerable agricultural irrigation is occurring nearby to the east. Aquifers with pristine to drinking water quality [400 to 600 mg/l Total Dissolved Solids (TDS)] ground water are likely to be encountered in the shallow sediments. The hole will be drilled with a fresh water and gel mud system to 4,500' TD to set the 13 3/8" surface casing. The intermediate hole will be drilled with a saturated salt mud system. It is anticipated that this mud system is designed to handle the evaporites of the Arapien Shale. Any water encountered in the Arapien Shale is likely to be of poor quality. A Division of Water Rights publication notes that aquifers in close proximity to the Arapien Shale are also likely to contain ground water with high TDS levels. A casing, cementing and drilling fluid program as described above should be sufficient to control and isolate the poor quality ground waters expected to be encountered at that depth in a well at this location. Numerous water rights have been filed on underground sources of water within a mile of the location.

Chris Kierst  
APD Evaluator

10/3/2006  
Date / Time

### Surface Statement of Basis

Participants: M. Jones (DOGM), Hal Christensen (surface owner), John Wunderlick and Ray Lewis (Petro Hunt) were in attendance for the pre-site evaluation. Sanpete County was invited but chose not to attend.

Natural storm drainage should be allowed for both along the access route and at the well pad. Drainage should be diverted away from the well pad during construction. Based on the pit evaluation and ranking score DOGM recommends that the reserve pit be lined with a minimum 12 mil liner, and that this liner be maintained throughout its use.

Mark Jones  
Onsite Evaluator

9/6/2006  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

---

**Application for Permit to Drill**  
**Statement of Basis**

10/3/2006

**Utah Division of Oil, Gas and Mining**

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Page 2

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** PETRO-HUNT, LLC  
**Well Name** VHCF 35A-3-1  
**API Number** 43-039-30033-0 **APD No** 64 **Field/Unit** WILDCAT  
**Location:** 1/4,1/4 SWNE **Sec** 35 **Tw** 16S **Rng** 2E 0 FL 0 FL  
**GPS Coord (UTM)** 442963 4359268 **Surface Owner**

### Participants

M. Jones (DOGM), Hal Christensen (surface owner), John Wunderlick and Ray Lewis (Petro Hunt) were in attendance for the pre-site evaluation. Sanpete County was invited but chose not to attend.

### Regional/Local Setting & Topography

Well is staked ~4.4 miles west of the town of Ephraim, Utah in Sanpete County. The location is staked in a greasewood flat on the west side of the valley. The direct and surrounding area is primarily farm ground and grazing and some wildlife habitat. Topography is relatively flat, draining naturally to the southeast.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Agricultural  
Wildlfe Habitat

#### **New Road**

Miles	Well Pad	Length	Src Const Material	Surface Formation
	Width 300	400	Onsite	

**Ancillary Facilities** N

### Waste Management Plan Adequate? Y

### Environmental Parameters

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

greasewood, june grass, sage, other weeds.

#### **Soil Type and Characteristics**

clay loam

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

#### **Drainage Diverson Required** Y

small drainage diversion ditch needed. on west side of pad. Drainage issues to deal with (culverts 2 or 3) along access route, the most prevelant being located just prior to entering the location at the NE corner of the pad.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	TDS>10000	15
Drill Cuttings	Salt or Detrimental	10
Annual Precipitation (inches)	10 to 20	5
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	<b>Final Score</b>	<b>45</b>
		<b>1</b> <b>Sensitivity Level</b>

**Characteristics / Requirements**

dugout earthen pit (100' x 175' x 14'). Liner planned by the operator.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 12    Pit Underlayment Required? N**

Other Observations / Comments

Operator asked if they could mobilize a dirt contractor. My reply was to ask for that permission from the landowner, and if the landowner gave the ok then the Division was ok with it, with the understanding that Petro Hunt would be responsible for reclamation even if a permit was not issued for some reason. Petro Hunt agreed to this.

The new road will have a rock surface. Petro Hunt has discussed with the county their intentions of using some county roads as access and have agreed to re-rock portions and maintain these roads to county standards.

Mark Jones  
Evaluator

9/6/2006  
Date / Time

[utah.gov](#) [Online Services](#) [Agency List](#) [Business](#)

[Google](#)

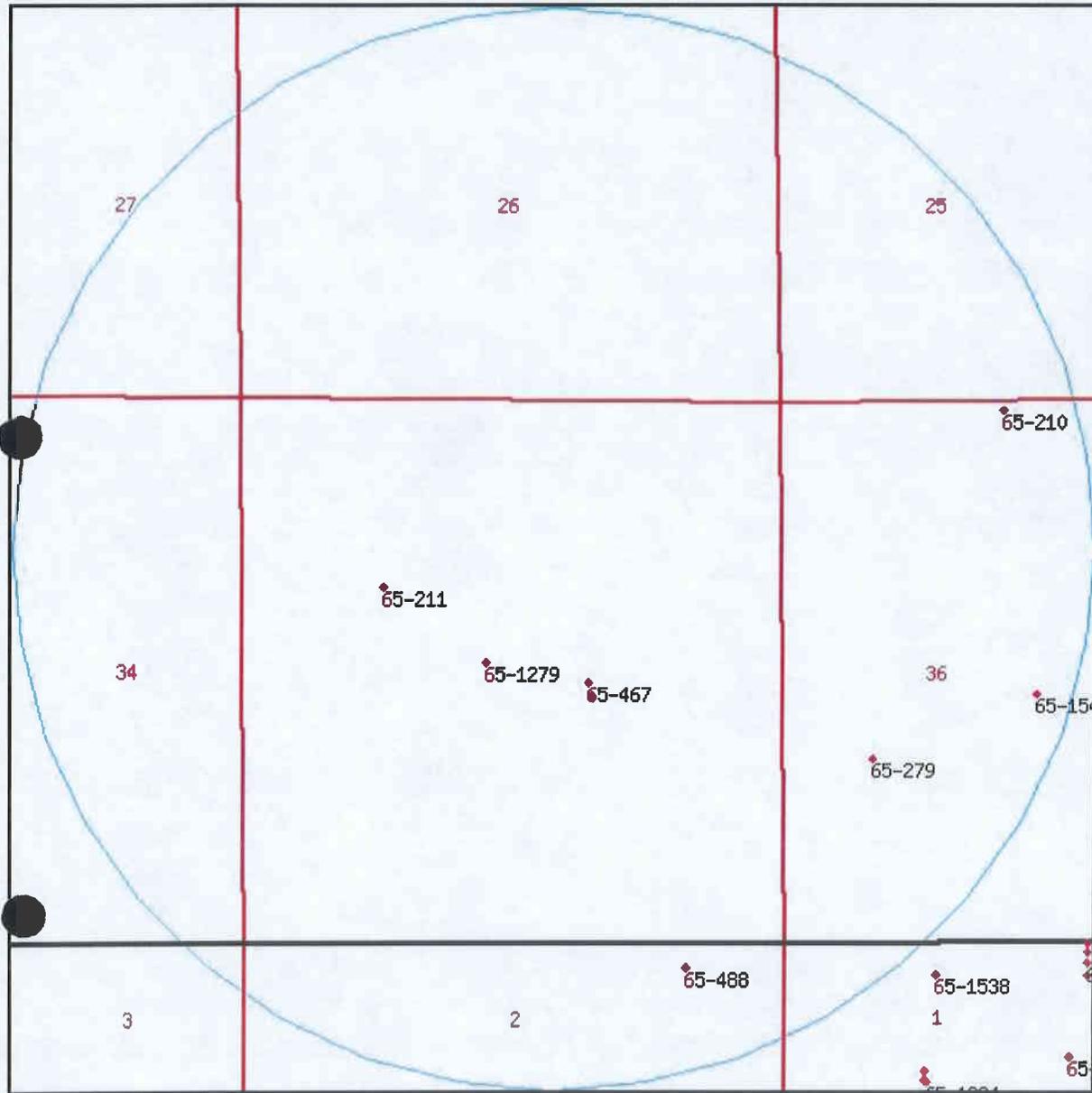
Search Utah.gov [GO](#)

# UTAH DIVISION OF WATER RIGHTS

## WRPLAT Program Output Listing

Version: 2004.12.30.00      Rupdate: 10/03/2006 03:43 PM

Radius search of 5280 feet from a point S1430 W2200 from the NE corner, section 35, Township 16S, Range 2E, SL b&m Criteria:wrtypes=W,C,E podtypes=all status=U,A,P usetypes=all



0 700 1400 2100 2800 ft

**Water Rights**

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner Name
<u>65-1278</u>	Underground S1368 W3885 NE 01 17S 2E SL		P	18850000	DIS	0.022	0.000	ANDREW CHRISTENSEN EPHRAIM UT 84627
<u>65-1279</u>	Underground N103 W2905 E4 35 16S 2E SL		P	19100000	DIS	0.022	0.000	BUELAH S. CHRISTENSEN FAMILY LIVING TRUST BUELAH S. CHRISTENSEN TRUSTEE
<u>65-1282</u>	Underground S1140 W2483 NE 01 17S 2E SL		P	19180000	DIS	0.011	0.000	ANDREW CHRISTENSEN EPHRAIM UT 84627
<u>65-1284</u>	Underground S1289 W3878 NE 01 17S 2E SL	<u>well info</u>	P	19000000	IS	0.011	0.000	VONDA H. CHRISTENSEN FAMILY LIMITED PARTNERSHIP 2658 FLAMINGO DRIVE
<u>65-1284</u>	Abandoned Well S1389 W3876 NE 01 17S 2E SL	<u>well info</u>	P	19000000	IS	0.011	0.000	VONDA H. CHRISTENSEN FAMILY LIMITED PARTNERSHIP 2658 FLAMINGO DRIVE
<u>65-1285</u>	Underground S215 W1870 E4 35 16S 2E SL		P	19180000	DIS	0.022	0.000	VONDA H. CHRISTENSEN FAMILY LIMITED PARTNERSHIP 2658 FLAMINGO DRIVE
<u>65-1538</u>	Underground S316 E1474 NW 01 17S 2E SL		P	19000000	S	0.011	0.000	NIELS MORTENSEN EPHRAIM UT 84627
<u>65-1545</u>	Underground S2892 W2740 NE 36 16S 2E SL		P	19200000	DS	0.013	0.000	JOHN JAMES LUND EPHRAIM UT 84627
<u>65-1554</u>	Underground S30 W2310 NE 01 17S 2E SL		P	19000000	S	0.045	0.000	BUELAH S. CHRISTENSEN FAMILY LIVING TRUST BUELAH S. CHRISTENSEN TRUSTEE
<u>65-1555</u>	Underground		P	19000000	S	0.045	0.000	BUELAH S. CHRISTENSEN FAMILY LIVING TRUST

	S350 W2310 NE 01 17S 2E SL				BUELAH S. CHRISTENSEN TRUSTEE
<u>65-1556</u>	Underground	P	19000000 S	0.045 0.000	BUELAH S. CHRISTENSEN FAMILY LIVING TRUST
	S130 W2310 NE 01 17S 2E SL				BUELAH S. CHRISTENSEN TRUSTEE
<u>65-1557</u>	Underground	P	19000000 S	0.045 0.000	BUELAH S. CHRISTENSEN FAMILY LIVING TRUST
	S230 W2310 NE 01 17S 2E SL				BUELAH S. CHRISTENSEN TRUSTEE
<u>65-210</u>	Underground	P	19520805 S	0.015 0.000	ZELLA C. CHRISTENSEN
	S66 E2178 NW 36 16S 2E SL				EPHRAIM UT 84627
<u>65-211</u>	Underground	P	19520805 S	0.015 0.000	BUELAH S. CHRISTENSEN FAMILY TRUST
	S1848 E1386 NW 35 16S 2E SL				120 WEST CENTER
<u>65-279</u>	Underground	P	19560220 I	2.700 0.000	BUELAH S. CHRISTENSEN FAMILY TRUST
	N1798 E831 SW 36 16S 2E SL				120 WEST CENTER
<u>65-467</u>	Underground	P	19350200 DIS	2.228 0.000	VONDA H. CHRISTENSEN FAMILY LIMITED PARTNERSHIP
	S105 W1912 E4 35 16S 2E SL				2658 FLAMIGO DRIVE
<u>65-488</u>	Underground	P	18950000 DS	0.004 0.000	DANIEL F. MADSEN
	N5016 W990 SE 02 17S 2E SL				EPHRAIM UT 84627

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**STATE ACTIONS**  
**Resource Development Coordinating Committee**  
**Governor's Office of Planning and Budget**  
**5110 State Office Building**  
**SLC, UT 84114**  
**Phone No. 537-9230**

<b>1. State Agency</b> Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	<b>2. Approximate date project will start:</b>  <p style="text-align: center;">Upon Approval or August 18, 2006</p>
<b>3. Title of proposed action:</b> Application for Permit to Drill	
<b>4. Description of Project:</b>  Petro-Hunt, LLC proposes to drill the Vonda H. Christ. Fam. 35A-3-1 well (wildcat) on a Fee lease Fee, Sanpete County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
<b>5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)</b> (include UTM coordinates where possible) <b>(indicate county)</b> <p style="text-align: center;">1430' FNL 2200' FEL, SW/4 NE/4,  Section 35, Township 16 South, Range 2 East, Sanpete County, Utah</p>	
<b>6. Possible significant impacts likely to occur:</b> Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
<b>7. Identify local government affected</b> a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
<b>8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:</b> a. Has the representative and senator been contacted? N/A	
<b>9. Areawide clearinghouse(s) receiving state action:</b> (to be sent out by agency in block 1) Six County Association of Governments	
<b>10. For further information, contact:</b>   <p style="text-align: center;"><b>Diana Whitney</b>  <b>Phone: (801) 538-5312</b></p>	<b>11. Signature and title of authorized officer</b>  for Gil Hunt, Associate Director <b>Date:</b> August 4, 2006

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>			5. MINERAL LEASE NO: Patented	8. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: PETRO-HUNT, L.L.C.			9. WELL NAME and NUMBER: Vonda H. Christ. Fam. 35A-3-1	
3. ADDRESS OF OPERATOR: 258 - 119th Ave. SW		CITY Killdeer STATE ND ZIP 58640	PHONE NUMBER: (701) 863-6622	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1,430' FNL & 2,200' FEL, AT PROPOSED PRODUCING ZONE: 1,430' FNL & 2,200' FEL,			10. FIELD AND POOL, OR WILDCAT: Wildcat	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 4.36 miles northwest of Ephraim, Utah			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 35 16S 2E S	12. COUNTY: Sanpete
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)			16. NUMBER OF ACRES IN LEASE: 21	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) None			19. PROPOSED DEPTH: 16,700	20. BOND DESCRIPTION: Statewide Surety RLB0008181
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,532' GR			22. APPROXIMATE DATE WORK WILL START: 9/6/2006	23. ESTIMATED DURATION: 90 days

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
26"	20"	H-40	94.0#	1,000	See Drilling Plan		
17-1/2"	13-3/8"	J55	54.5#	4,500	See Drilling Plan		
12-1/4"	9-5/8"	P110	53.5#	8,450	50/50 Poz	1185 sx	1.71 13.0
8-1/2"	7-5/8"	Q125	39.0#	13,500	50/50 Poz	610 sx	1.24 14.35
6-1/2"	5-1/2"	L80	20.0#	16,700	50/50 Poz	285 sx	1.43 14.3

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

**CONFIDENTIAL**

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Petro-Hunt, L.L.C

SIGNATURE Don Hamilton DATE 7/18/2006

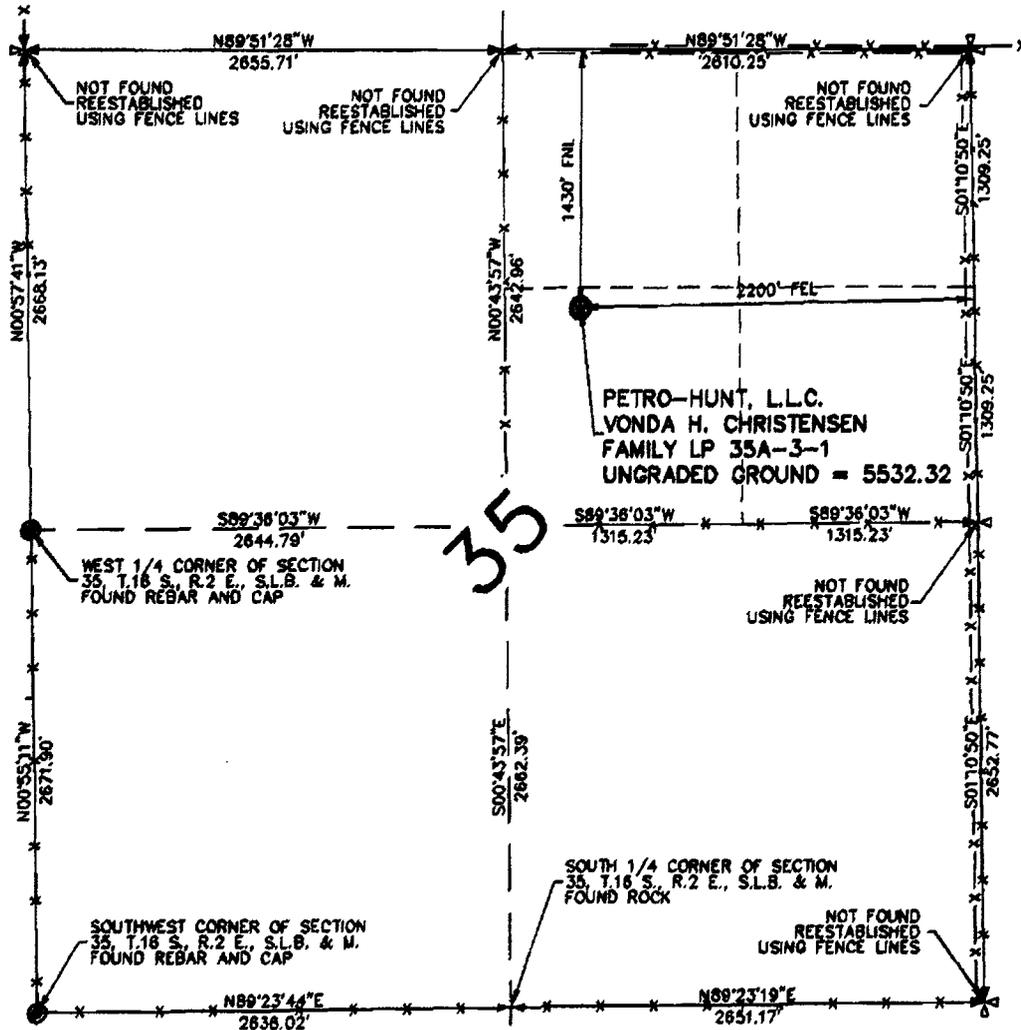
(This space for State use only)

API NUMBER ASSIGNED: 43-039-30033

APPROVAL:

**RECEIVED**  
JUL 20 2006  
**ORIGINAL**  
DIV. OF OIL, GAS & MINING

# Section 35, T.16 S., R.2 E., S.L.B. & M.



### BASIS OF BEARINGS

BASIS OF BEARING USED WAS N00°55'11"W BETWEEN THE SOUTHWEST CORNER AND THE WEST QUARTER CORNER OF SECTION 35, T.16 S., R.2 E., S.L.B. & M.  
 LATITUDE = 39°22'58.26780" (39.382852167) NAD 83  
 LONGITUDE = -111°39'46.79950" (-111.662999881) NAD 83

### PROJECT Petro-Hunt, L.L.C.

WELL LOCATION, LOCATED AS SHOWN IN THE S.W. 1/4 OF THE N.E. 1/4 OF SECTION 35, T.16 S., R.2 E., S.L.B. & M. SANPETE COUNTY, UTAH

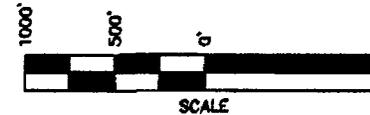
### LEGEND

- = REBAR AND CAP (LOCATED)
- ▽ = QUARTER SECTION CORNERS (LOCATED)
- ⊗ = SECTION CORNERS (NOT LOCATED)
- ▽ = QUARTER SECTION CORNERS (NOT LOCATED)
- ⊙ = PROPOSED WELL HEAD

NOTE: THE PURPOSE OF THIS SURVEY WAS TO PLAT THE PETRO-HUNT, L.L.C. VONDA H. CHRISTENSEN FAMILY LP 35A-3-1 LOCATION. LOCATED IN THE S.W. 1/4 OF THE N.E. 1/4 OF SECTION 35, T.16 S., R.2 E., S.L.B. & M., SANPETE COUNTY, UTAH.

### BASIS OF ELEVATION

ELEVATION BASED ON A ROAD INTERSECTION AT THE NORTHEAST CORNER OF SECTION 35, T.16 S., R.2 E., S.L.B. & M. ON THE WALES UTAH 7.5 MINUTE U.S.G.S. QUADRANGLE MAP. ELEVATION IS 5521.00.



### CERTIFICATE

THIS IS TO CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**Jones & Dornille Engineering**  
 1536 South 100 West - Richfield, Utah 84701  
 Phone (435) 896-8268  
 Fax (435) 896-8268  
 www.jonesandornille.com

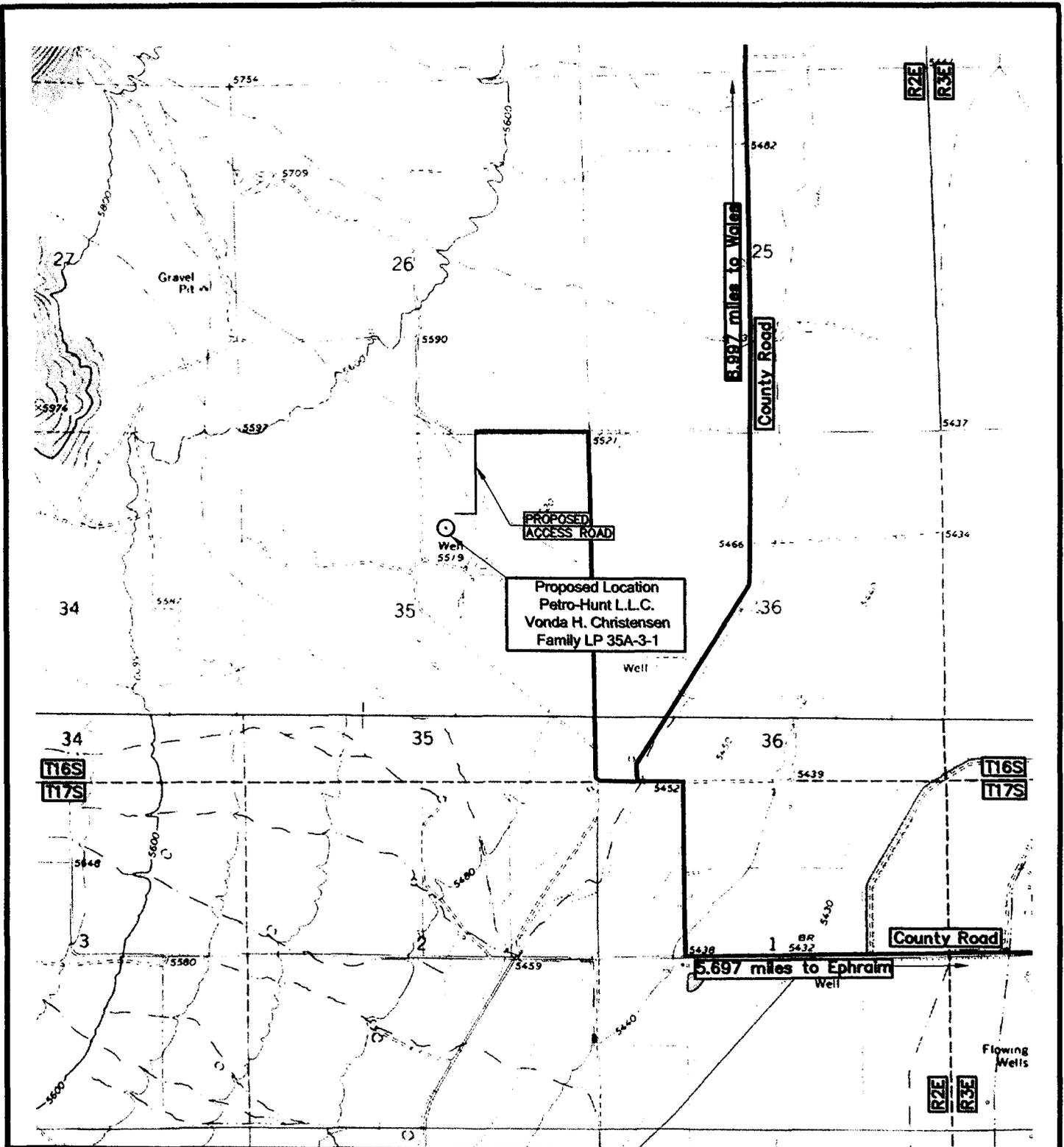
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**Well Location Plat for Petro-Hunt, L.L.C.**

---

**Vonda H. Christensen Family LP 35A-3-1**

DESIGNED	SURVEYED	CHECKED	DRAWN	PROJECT NO.	SHEET NO.
-	T.W.G.	T.R.G.	T.R.G.	0608-130	1
DATE		PROGRAM	SCALE		
06/22/06		WELL.LOC.	1"=1000'		



**LEGEND**  
 PROPOSED LOCATION

**Petro-Hunt, L.L.C.**  
**Vonda H. Christensen Family LP 35A-3-1**  
**Section 35, T.16 S., R.2 E., S.L.B. & M.**  
**1430' FNL 2200' FEL**



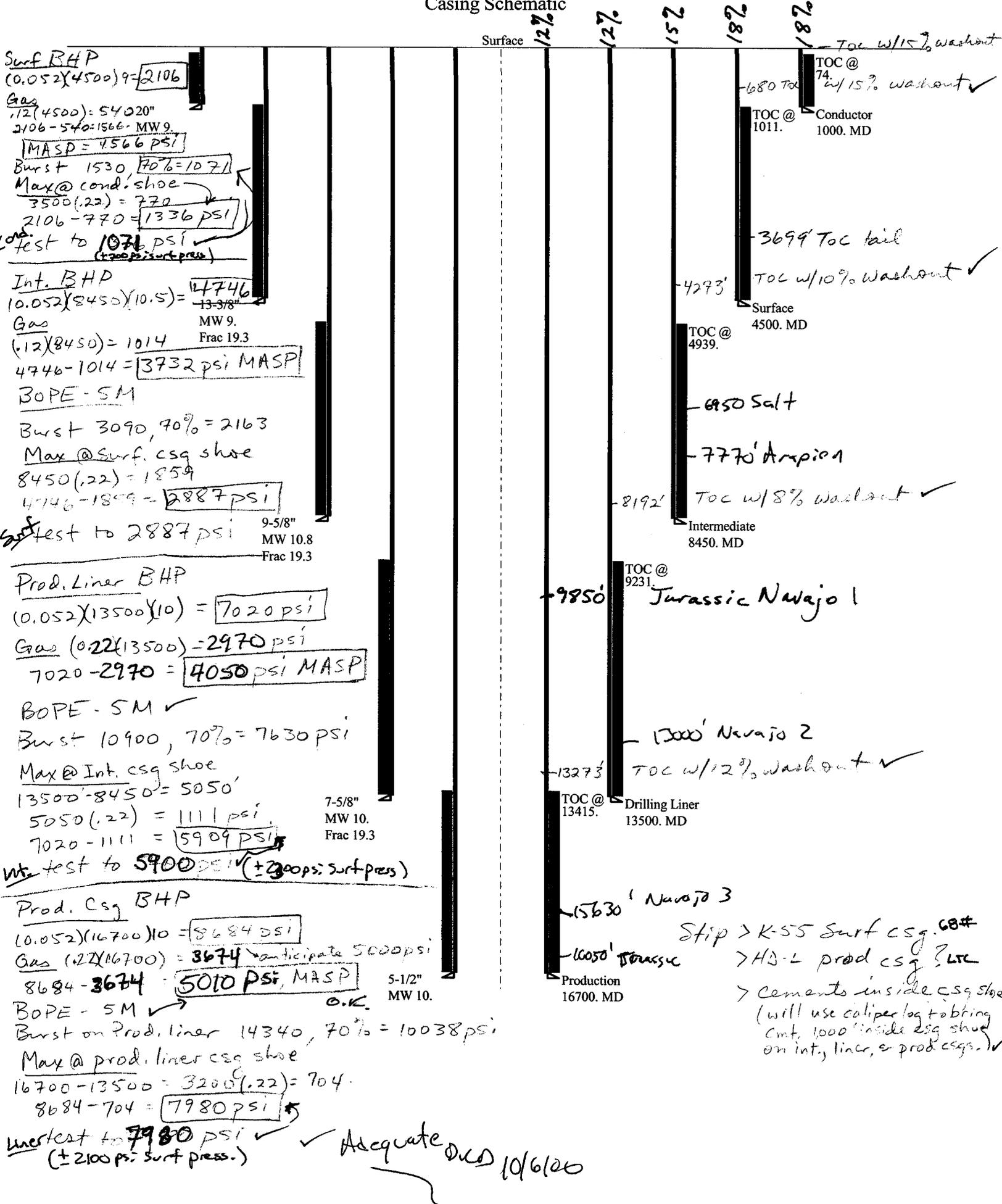
**Jones & DeMille Engineering**  
 1535 South 100 West - Richfield, Utah 84701  
 Phone (435) 896-8266 Fax (435) 896-8268  
 www.jonesanddemille.com



SCALE: 1" = 2000'

Petro-Hunt, L.L.C.		FIGURE: 1
Vonda H. Christensen LP 35A-3-1		
Vicinity Map		
DRAWN: T.W.G. 06/27/06	PEN: TBL: 1stdnd-hp2600.cfb	PROJECT: 0606-130
CHECK: T.R.G. 06/27/06	FILE: VICINITY	LAST UPDATE: 6/27/2006
		SHEET: 1

Casing Schematic



Well name:	<b>2006-09 Petro Hunt VHCF 35A-3-1</b>		
Operator:	<b>Petro-Canada Resources (USA)</b>		
String type:	Conductor	Project ID:	43-039-30033
Location:	Sanpete County		

**Design parameters:**

**Collapse**

Mud weight: 9.000 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 348 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 468 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on buoyed weight.  
 Neutral point: 866 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 89 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 250 ft  
 Cement top: 74 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	20	94.00	H-40	Buttress	1000	1000	18.999	1994.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	468	520	1.112	468	1530	3.27	81	1041	12.79 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5280  
 FAX: 801-359-3940

Date: September 29, 2006  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name: **2006-09 Petro Hunt VHCF 35A-3-1**  
 Operator: **Petro-Canada Resources (USA)**  
 String type: **Surface** Project ID: **43-039-30033**  
 Location: **Sanpete County**

**Design parameters:**

**Collapse**  
 Mud weight: 9.000 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 2,882 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 3,872 psi  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**  
 Design factor 1.125

**Burst:**  
 Design factor 1.00

**Tension:**  
 8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on buoyed weight.  
 Neutral point: 3,898 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 138 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 250 ft

Cement top: 1,011 ft

**Non-directional string.**

**Re subsequent strings:**  
 Next setting depth: 8,450 ft  
 Next mud weight: 10.800 ppg  
 Next setting BHP: 4,741 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 4,500 ft  
 Injection pressure: 4,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	4500	13.375	68.00	K-55	Buttress	4500	4500	12.29	3783
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2104	1950	0.927	3872	3450	0.89	265	1069	4.03 B

Handwritten notes:  
 1564 w/ 0.12 gas mud inside casing (540 ppg) → 1.247  
 3107 w/ TOC @ 1000' 0.22 partially evaluated hole → 1.1104 O.K.  
 Petro Hunt Company Policy to use gas gradient for pressure differential O.K.  
 OK to good TOC @ 2582'  
 Or w/ 9.8 Emw @ press. @ Next Setting Depth

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5280  
 FAX: 801-359-3940

Date: October 5, 2006  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 4500 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>2006-09 Petro Hunt VHCF 35A-3-1</b>		
Operator:	<b>Petro-Canada Resources (USA)</b>		
String type:	Intermediate	Project ID:	43-039-30033
Location:	Sanpete County		

**Design parameters:**

**Collapse**  
Mud weight: 10.800 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 193 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

**Burst**

Max anticipated surface pressure: 4,043 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 5,902 psi

**Burst:**

Design factor 1.00

Cement top: 4,939 ft

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 13,500 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 7,013 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 8,450 ft  
Injection pressure: 8,450 psi

Tension is based on buoyed weight.  
Neutral point: 7,072 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8450	9.625	53.50	P-110	LT&C	8450	8450	8.5	3357.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4741	7950	1.677 ✓	5902	10900	1.85 ✓	378	1422	3.76 J ✓

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 801-538-5280  
FAX: 801-359-3940

Date: September 29, 2006  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 8450 ft, a mud weight of 10.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>2006-09 Petro Hunt VHCF 35A-3-1</b>		
Operator:	<b>Petro-Canada Resources (USA)</b>		
String type:	Drilling Liner	Project ID:	43-039-30033
Location:	Sanpete County		

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 264 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

Cement top: 9,231 ft

**Burst**

Max anticipated surface pressure: 5,001 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 7,971 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on buoyed weight.  
 Neutral point: 11,487 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 16,700 ft  
 Next mud weight: 10.000 ppg  
 Next setting BHP: 8,675 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 13,500 ft  
 Injection pressure: 13,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	13500	7.625	39.00	Q-125	HD-L	13500	13500	6.5	3231.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	7013	12060	1.720	7971	14340	1.80	448	867	1.94 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5280  
 FAX: 801-359-3940

Date: September 29, 2006  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 13500 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>2006-09 Petro Hunt VHCF 35A-3-1</b>		
Operator:	<b>Petro-Canada Resources (USA)</b>		
String type:	Production	Project ID:	43-039-30033
Location:	Sanpete County		

**Design parameters:**

**Collapse**  
Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Burst**  
Max anticipated surface pressure: 5,001 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP: 8,675 psi  
  
No backup mud specified.

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Burst:**  
Design factor 1.00

**Tension:**  
8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 14,172 ft

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 309 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: 13,273 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
2	8100	5.5	20.00	P-110	LT&C	8100	8100	4.653	1008.6
1	8600	5.5	20.00	P-110	HD-L	16700	16700	4.653	1070.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	4208	10368	2.464 ✓	6783	12630	1.86 ✓	283	548	1.93 J ✓
1	8675	11100	1.280 ✓	8675	12630	1.46 ✓	121	329	2.71 J ✓

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 801-538-5280  
FAX: 801-359-3940

Date: October 5, 2006  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 16700 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# SURFACE DAMAGE AGREEMENT

This Agreement is between THE VONDA H. CHRISTENSEN FAMILY LIMITED PARTNERSHIP, hereinafter referred to a "Lessor", whose address is 790 South 2080 East, Springville, UT 84663 and Petro-Hunt, L.L.C., hereinafter referred to as "Operator", whose address is Suite 3400; 1601 Elm Street, Dallas, Texas 75201

The above parties agree to the basic understanding as follows:

Prior to the commencement of any drilling operation by Operator on any land in Sanpete County, Utah on which Lessor owns surface rights ("Subject Lands"), Operator shall make the following payments as full and complete compensation for damage to the surface:

- \$500 per acre for each drill-site location and its associated access road

Operator's use of, and access to, the Subject Lands is at its own cost and risk. Operator agrees to bear all liabilities caused by its operations. A copy of Operator's State of Utah Blanket Bond in the amount of up to \$120,000 is attached hereto as Exhibit 'A'. Operator's proof of liability insurance will be furnished to Lessor.

(1) Operator shall obtain Lessor's consent to the location of all access roads, which consent shall not be unreasonably withheld. Access roads shall not exceed 30 feet in width. All pipelines, power lines, and telephone lines that will be permanent will be buried below plow depth and mapped unless otherwise agreed. In the event of a dry hole, the drill site and roadways will be restored as required by law to as near as original condition as possible, or to Lessor's specifications. Lessor hereby gives its consent to the approximate location of the access road for the ~~Vonda H. Christensen Family LP 35A~~ as depicted on the plat attached hereto as Exhibit "B".

(2) Unauthorized personnel, contractors, etc. will not have access to or be allowed on any drilling locations hereunder. Operator will make a reasonable effort to have a company representative on the location at all times during drilling/completion operations. Firearms, liquor, and drugs shall be prohibited from all well locations and access roads covered by this agreement.

(3) Operator will reimburse Lessor for loss, damage, injury or death of Lessor's livestock caused by or directly related to Operator's exploration and production of oil or gas on any lands covered by this agreement. Operator will recompense Lessor at a fair market value plus associated replacement costs, if any relative to any livestock covered by this paragraph 3.

(4) Operator will not bring permanent electric utilities onto the subject Property without first receiving written approval from the Lessor, which shall not be unreasonably withheld.

(5) Unless otherwise agreed, Operator will at all times keep all fencing and gates within the vicinity of the roads and the drilling site utilized by the Operator under this agreement in a condition suitable to contain livestock.

## PROPERTY RECLAMATION AGREEMENT

1. All topsoil will be stripped, stockpiled, and then replaced to support re-vegetation.
2. Ditches, and culverts, gates, cattle guards will be returned as nearly as possible to original condition as required by law.
3. Reclamation work will be accomplished in a timely manner. Natural causes such as unusual weather conditions or ground settling or other force majeure events may delay reclamation.

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DIV. OF OIL, GAS & MINING

4. All construction and maintenance costs relating to roads, drill pads, equipment and facilities hereunder shall be born by Operator.

This agreement shall be binding upon Operator and Lessor, their respective heirs, executors, administrators, successors, and assigns and upon Operator, its executors, administrators, successors, and assigns. This agreement pertains to only to all surface areas owned by Lessor which may be disturbed in exploration and/or development by Operator, its contractors, subcontractors and/or designees.

Dated this 12th day of July, 2006.

**Lessor and Surface Owner:**

THE VONDA H. CHRISTENSEN FAMILY LIMITED PARTNERSHIP



R. Halbert Christensen, General Partner

**Operator:**  
Petro-Hunt, L.L.C.

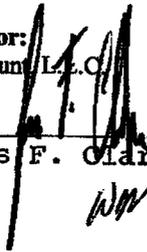
  
James F. Clarke, Vice President

Exhibit "A"

Attached to and made a part of that certain Surface Damage Agreement dated July 12, 2006 between The Vonda H. Christensen Family Limited Partnership and Petro-Hunt, L.L.C. covering lands in Sanpete County, Utah.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 4A

Bond No. RLB0008181

SURETY BOND

KNOW ALL MEN BY THESE PRESENTS:

That we (operator name) Petro-Hunt, L.L.C. as Principal, and RLI Insurance Company as Surety, duly authorized and qualified to do business in the State of Utah, are held and firmly bound unto the State of Utah in the sum of:

One Hundred Twenty Thousand and no/100 dollars (\$ 120,000.00 ) lawful money of the United States, payable to the Director of the Division of Oil, Gas and Mining, as agent of the State of Utah, for the use and benefit of the State of Utah for the faithful payment of which we bind ourselves, our heirs, executors, administrators and successors jointly and severally by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, WHEREAS the Principal is or will be engaged in the drilling, re-drilling, deepening, repairing, operating, and plugging and abandonment of a well or wells and restoring the well site or sites in the State of Utah for the purposes of oil or gas production and/or the injection and disposal of fluids in connection therewith for the following described land or well:

- Blanket Bond: To cover all wells drilled in the State of Utah
- Individual Bond: Well No: \_\_\_\_\_  
Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
County: \_\_\_\_\_, Utah

NOW, THEREFORE, if the above bounden Principal shall comply with all the provisions of the laws of the State of Utah and the rules, orders and requirements of the Board of Oil, Gas and Mining of the State of Utah, including, but not limited to the proper plugging and abandonment of wells and well site restoration then this obligation is void; otherwise, the same shall be and remain in full force and effect

IN TESTIMONY WHEREOF, said Principal has hereunto subscribed its name and has caused this instrument to be signed by its duly authorized officers and its corporate or notary seal to be affixed this

19th day of May, 2005

(Corporate or Notary Seal here)  
  
Attest: \_\_\_\_\_ Date: \_\_\_\_\_

By \_\_\_\_\_  
Principal (company name)  
Name (print) \_\_\_\_\_ Title \_\_\_\_\_  
T. Wilson  
Signature

IN TESTIMONY WHEREOF, said Surety has caused this instrument to be signed by its duly authorized officers and its corporate or notary seal to be affixed this

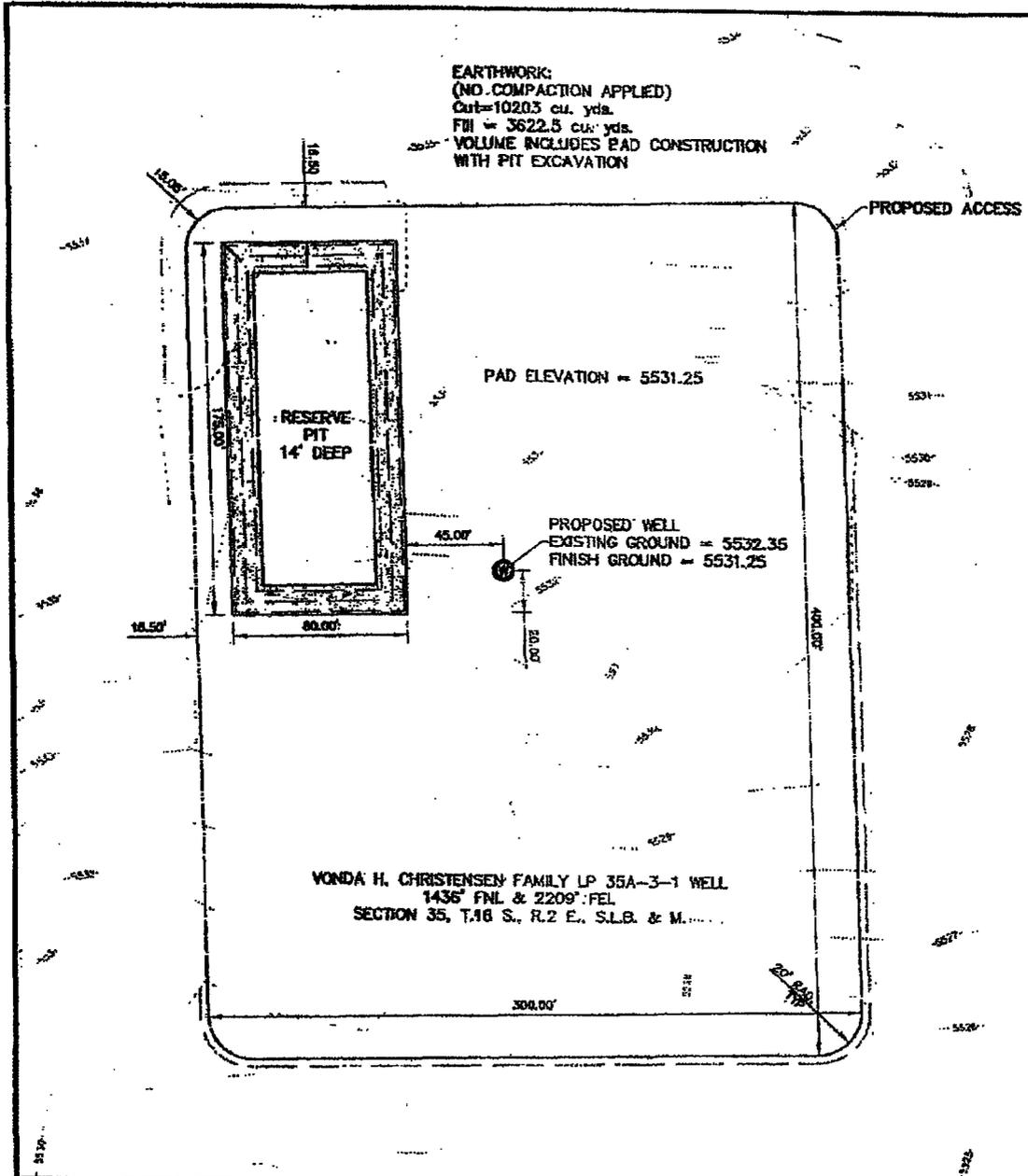
19th day of May, 2005

(Corporate or Notary Seal here)  
  
Attest: \_\_\_\_\_ Date: \_\_\_\_\_

By \_\_\_\_\_  
Surety Company (Attach Power of Attorney)  
Name (print) \_\_\_\_\_ Title \_\_\_\_\_  
Greg E. Carlson  
Signature  
8 Greenway Plaza, Suite 400  
Surety Mailing Address  
Houston TX 77046  
City State Zip

**Exhibit "B"**

Attached to and made a part of that certain Surface Damage Agreement dated July 12, 2006 between The Vonda H. Christensen Family Limited Partnership and Petro-Hunt, L.L.C. covering lands in Sanpete County, Utah.



EARTHWORK  
(NO. COMPACTION APPLIED)  
Cut=1020.3 cu. yds.  
Fill = 3622.5 cu. yds.  
VOLUME INCLUDES PAD CONSTRUCTION  
WITH PIT EXCAVATION

VONDA H. CHRISTENSEN FAMILY LP 35A-3-1 WELL  
1436' FNL & 2209' FEL  
SECTION 35, T.18 S., R.2 E., S.L.B. & M.

 <p><b>Jones &amp; DeMille Engineering</b> 1335 South 100 West - Jonico, Utah 84761 Phone (435) 636-6266 Fax (435) 636-6266 www.jonesanddemille.com</p>	 <p>SCALE: 1" = 50'</p>	Petro Hunt		FIGURE:	
		Vonda H. Christensen Family LP 35A-3-1			
		Preliminary Pad Layout			
DRAWN: T.R.G. 02/27/06 CHECK: D.H.F. 02/27/06	DESIGNED: [unclear] FILE: CHRISTENSEN_SITE	PROJECT: 0820-430 DATE: 02/22/06	SHEET: 1		

**From:** Robert Clark  
**To:** Whitney, Diana  
**Date:** 8/14/2006 10:34:14 AM  
**Subject:** RDCC short turn around responses

*Petro  
43-039-30033*

The following comments are provided in response to short turn around items **RDCC #6916** through **RDCC #6921**, and **RDCC #6943**.

**RDCC #6916, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Southam Canyon 10-25-34-32** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6917, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Southam Canyon 10-25-14-32** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. 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A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6918, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Southam Canyon 10-25-11-32** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. 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RDCC #6919, Comments begin:** The proposal of the Houston Exploration Company to drill the **North Horseshoe 5-16-6-22** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for

preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6920, Comments begin:** The proposal of Petro-Hunt, LLC to drill the **Vonda H. Christensen Family LP 35A-3-1** wildcat well, in Sanpete County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6921, Comments begin:** The proposal of Petro-Hunt, LLC to drill the **Lamb Trust 31B-1-1** wildcat well, in Sanpete County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6943, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Long Draw 12-24-31-26** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. Robert Clark** Division of Air Quality 536-4435

**CC:** Mcneill, Dave; Wright, Carolyn

*Peter Hunt  
43-039-30033*

## MEMORANDUM

DATE: August 15, 2006

TO: Utah Division of Oil, Gas and Mining, Forestry, Fire, and State Lands, and Resource Development Coordinating Committee

FROM: Utah Geological Survey, Ground Water and Paleontology Program

SUBJECT: UGS comments on RDCC items 6916, 6917, 6918, 6919, 6920, 6921, 6922, and 6943.

6916. Division of Oil, Gas and Mining # ML-47065  
Short Turn Around; Sec. 32, T10S, R25E  
Uintah Co.

Application for Permit to Drill - proposal to drill a wildcat well the Southam Canyon 10-25-34-32 on a State lease ML-47065

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements.

6917. Division of Oil, Gas and Mining  
Short Turn Around;; Sec. 32, T10S, R25E  
Uintah Co.

Application for Permit to Drill - proposal to drill a wildcat well the Southam Canyon 10-25-14-32 on a State lease ML-47065

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements.

6918. Division of Oil, Gas and Mining  
Short Turn Around; Sec. 32, T10S, R25E  
Uintah Co.

Application for Permit to Drill - proposal to drill the Southam Canyon 10-25-11-32 on a State lease ML-47065

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements.

6919. Division of Oil, Gas and Mining  
Short Turn Around; Sec. 16, T6S, R22E  
Uintah Co.

Application for Permit to Drill - proposal to drill a wildcat well the North Horseshoe 5-16-6-22 on a State lease ML-47969

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements.

6920. Division of Oil, Gas and Mining  
Short Turn Around; Sec. 35, T16S, R2E  
Sanpete Co.

Application for Permit to Drill - proposal to drill a wildcat well the Vonda H. Christ. Fam. 35A-3-1 on a Fee lease

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements.

6921. Division of Oil, Gas and Mining  
Short Turn Around; Sec. 31, T15S, R3E  
Sanpete Co.

Application for Permit to Drill - proposal to drill a wildcat well the Lamb Trust 31B-1-1 on a Fee lease Fee

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its

easements..

6922. Trust Lands Administration  
Other Proposed Actions; State Land Proposals  
Sec. 16, T10S, R18E; Uintah Co; Easement #1124

Two paleontological localities with vertebrate fossils, Utah Paleontological Localities Un 1699 and Un 1700, are recorded in our files in this project area. The project is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements and, if these known critical fossil localities are to be impacted, they should be mitigated by a permitted paleontologist.

6943. Division of Forestry, Fire and State Lands  
Short Turn Around; Drilling Permits; Sec. 26, T12S, R24E  
Uintah Co.  
Application for Permit to Drill - proposal to drill a wildcat well the Long Draw 12-24-31-26 on a State lease ML-47090

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements.

**From:** Carolyn Wright  
**To:** Whitney, Diana  
**Date:** 8/21/2006 9:19:50 AM  
**Subject:** Fwd: RDCC short turn around responses

*Petro-Hunt  
43-039-30833*

FYI

>>> Robert Clark 8/14/2006 10:33 AM >>>

The following comments are provided in response to short turn around items **RDCC #6916** through **RDCC #6921**, and **RDCC #6943**.

**RDCC #6916, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Southam Canyon 10-25-34-32** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6917, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Southam Canyon 10-25-14-32** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6918, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Southam Canyon 10-25-11-32** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6919, Comments begin:** The proposal of the Houston Exploration Company to drill the **North Horseshoe 5-16-6-22** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a

permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. 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A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm). **Comments end. RDCC #6943, Comments begin:** The proposal of Enduring Resources, LLC to drill the **Long Draw 12-24-31-26** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board if any compressor or pump stations are constructed at the site. If a permit is required, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The guidelines for preparing an NOI are available on-line at <http://www.airquality.utah.gov/Permits/FORMS/NOIGuide8.pdf>. 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**From:** "Cary Vice" <cvice@petrohunt.com>  
**To:** <dustindoucet@utah.gov>  
**Date:** 10/4/2006 4:00 PM  
**Subject:** Vonda H. Christensen Family LP 35A-3-1  
**Attachments:** VONDA CHRISTENSEN - csg design 10-4-06.2nd rev..pdf

Dustin,

Please see attached "2nd revision" casing design for subject well. This should satisfy all requirements as discussed.

Thanks,

Cary J. Vice

214 880-7173 Dallas, TX

601 845-4207 Brandon, MS

985 855-2661 Cell



**CASING DESIGN CHART**

WELL: VONDA H CHRISTENSEN FAMILY DEEP WELL  
 FIELD: WILDCAT - SANDPETE COUNTY, UT  
 10-4-08 2nd revision

SIZE	WT/FT	GRADE	CONN	LENGTH OF SECTION	SETTING DEPTH TVD	SETTING DEPTH MD	EST. MUD WT	PRESS GRAD PSI/FT	EST. DISP NEW TONS	EST. FREQ GRAD PPG	EST. GAS GRAB	CALC RECORD PRESS	WT IN AIR SECTION 1000 LBS	CUMM 1000 LBS	COLLAPSE RATING 10% PSI	ADJUSTED RATING TENSILE	TENS STRENGTH 1000 LBS	BODY 1000 LBS	BURST RATING
30"	.375" wall	B	P.E.	80	80	80													
20"	94.00	H40	BTC	1000	1000	1000	9	0.468	0.432	12.2	0.10	468	94	94	520	520	1014	1077	1530
13 3/8"	88.00	K55	BTC	4500	4500	4500	9	0.468	0.432	14.4	0.10	2106	306	306	1950	1950	1300	1069	3450
9 5/8"	53.50	P110	LTC	8450	8450	8450	10.8	0.562	0.525	16.0	0.10	4746	452	452	7950	7950	1422	4710	10990
7 5/8" CONT. LHR	30.00	Q125	HDL	5350	13500	13500	10	0.520	0.484	17.4	0.15	7020	209	209	12060	12060	867	1399	14340
5 1/2" TOP SECTION	20.00	P110	LTC	8100	8100	8100	10	0.520	0.484	N/A	0.15	4212	162	324	11100	11100	548	641	12630
5 1/2" BTM SECTION	20.00	P110	HDL	8100	16200	16200	10	0.520	0.484	N/A	0.15	8424	162	162	11100	11100	320	641	12630
2 7/8" Tbg	6.50	P110	EUE MOD.	16000	16000	16000	10	0.520	0.484	N/A	0.15	8320	104	104	14550	14550	189	189	14530

SIZE	SAFETY FACTORS									
	DRILLING					PROD.				
	CDL	TENS	BURST	BURST	ASP	ASP	DEPT	FW	CD	CPLO
20"	1.100	1.500	1.200	1.200	DRLG	PROD	BODY	I. D.	I. D.	O. D.
20"	1.413	10.787	2.86	N/A	534	N/A	10.936	19.124	19.124	21
13 3/8"	1.170	3.493	1.10	N/A	2920	N/A	12.259	12.415	12.415	14.375
9 5/8"	2.495	3.146	6.41	1.885	1701	5846	Sp Dfl 8.500	8.535	8.535	10.825
7 5/8" CONT. LHR	4.024	4.155	4.78	2.453	2997	5846	6.5	6.551	6.625	7.625
5 1/2" TOP SECTION	3.704	1.691	N/A	2.161	N/A	5846	4.653	4.778	4.778	6.050
5 1/2" BTM SECTION	1.852	2.031	N/A	2.161	N/A	5846	4.653	4.699	4.778	5.500
2 3/8" Tbg	2.450	1.913	N/A	2.486	N/A	5846	2.347	2.441	2.441	3.668
BNP = MUD WT @ TD - 6.7 PPG X .632 X TVD =										7634

**From:** "Cary Vice" <cvice@petrohunt.com>  
**To:** <dustindoucet@utah.gov>  
**Date:** 10/5/2006 4:05 PM  
**Subject:** Vonda H. Christensen Family LP 35A-3-1 - Formation Tops

As per your request, listed below are the major formation tops to be encountered in subject well:

Salt	6950' tvd	-1388' ss
Jurassic Arapien	7770' tvd	-2138' ss
Jurassic Navajo	9850' tvd	-4288' ss
Jurassic Navajo	13000' tvd	-7438' ss
Jurassic Navajo	15630' tvd	-10068' ss
Triassic undivided	16050' tvd	-10488' ss

Thanks again for your assistance and we will be looking forward to the permit approval early next week.

Sincerely,

Cary J. Vice

214 880-7173 Dallas, TX

601 845-4207 Brandon, MS

985 855-2661 Cell

Mick  
 Homiston  
 Petro Hunt, ND



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

October 10, 2006

Petro-Hunt, LLC  
258 119th Ave. SW  
Killdeer, ND 58640

Re: Vonda H. Christensen Family 35A-3-1 Well, 1430' FNL, 2200' FEL, SW NE,  
Sec. 35, T. 16 South, R. 2 East, Sanpete County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-039-30033.

Sincerely,

Gil Hunt  
Associate Director

pab

Enclosures

cc: Sanpete County Assessor

Operator: Petro-Hunt, LLC  
Well Name & Number Vonda H. Christensen Family 35A-3-1  
API Number: 43-039-30033  
Lease: Fee

Location: SW NE                      Sec. 35                      T. 16 South                      R. 2 East

### Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

Page 2

43-039-30033

October 10, 2006

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: PETRO-HUNT, LLC

Well Name: VHCF 35A-3-1

Api No: 43-039-30033 Lease Type: FEE

Section 35 Township 16S Range 02E County SANPETE

Drilling Contractor PETE MARTIN'S RIG # RATHOLE

**SPUDDED:**

Date 10/25/06

Time \_\_\_\_\_

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by MICK HOMISTON

Telephone # (704) 863-6622

Date 11/20/06 Signed CHD

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

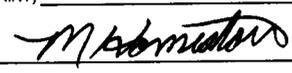
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
2. NAME OF OPERATOR: Petro-Hunt L.L.C.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 258 119th Ave SW CITY Killdeer STATE ND ZIP 58640			7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1430' FNL 2200' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 35 16S 02E S			8. WELL NAME and NUMBER: <u>VHCF</u> <u>Vonda H. Christensen 35A-3-1</u>
			9. API NUMBER: 43-039-30033
			10. FIELD AND POOL, OR WILDCAT: Wildcat
			COUNTY: SAN PETE
			STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/25/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>spud conductor hole</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, v olumes, etc.

Pete Martin Drilling Inc. drilled 88' of 38" conductor hole and ran 88' of 30" conductor pipe for Petro-Hunt at this well site on 10-25-2006. Big4 then cemented the annulus with 650 sacks of "G" cement containing 2% calcium chloride and 1/4#/sack flocele. Cement came to surface and stayed there. Pete Martin Drilling also drilled the rathole and mousehole on 11-2-2006.

NAME (PLEASE PRINT) <u>Mick Homiston</u>	TITLE <u>District Engineer</u>
SIGNATURE 	DATE <u>11/20/2006</u>

(This space for State use only)

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NOV 24 2006

DIV. OF OIL, GAS & MINING

RECEIVED

NOV 24 2006

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

DIV. OF OIL, GAS & MINING

ENTITY ACTION FORM

Operator: Petro-Hunt L.L.C. Operator Account Number: N 2815  
 Address: 258 119th Ave SW  
city Killdeer  
state ND zip 58640 Phone Number: (701) 863-6622

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-039-30033	Vonda H. Christensen Family 35A-3-1		SWNE	35	16S	02E	San Pete
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	15815	10/25/2006		11/30/06		
Comments: <u>Drilled conductor hole for new well prior to moving in rotary drilling rig.</u> <u>NAVA</u>							

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Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Mick Homiston

Name (Please Print)

*Mick Homiston*

Signature

District Engineer

11/20/2006

Title

Date

**EXACT Engineering, Inc.**

www.exactengineering.com

415 S. Boston Ave., Suite 734, Tulsa, OK 74103 • (918) 599-9400 • (918) 599-9401 (fax)

Steven R. Hash, P.E.  
Registered Professional Engineer  
stevehash@exactengineering.com

December 8, 2006

CONFIDENTIAL

Mr. Dustin Doucet  
Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

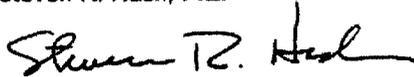
Re: Drilling Update #2 - Petro-Hunt, LLC  
Vonda H. Christensen Family 35A-3-1 well  
Sec 35 T16S R02E  
Sanpete Co, UT  
API# 43-039-30033

Gentlemen,

On behalf of Petro-Hunt, LLC, 258 119<sup>th</sup> Ave SW, Kildeer, ND 58640 (701)863-6622, this is to confirm our verbal notice of yesterday that we anticipate starting to drill the referenced well within the next 24 hours. We respectfully request that the enclosed information remain confidential.

Sincerely,

Steven R. Hash, P.E.



Enclosures

copy to:

Petro-Hunt, LLC daily distribution  
Mark Jones, UDOGM Field Inspector  
Carol Daniels, UDOGM (for notices)

Petroleum Engineering Consulting, Personnel & Jobsite Supervision  
complete well design, construction & management, drilling, completion, production, pipelines, appraisals,  
due diligence, acquisitions, procedures, temporary personnel and field supervision

RECEIVED

DEC 08 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE / 64

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
VHCF 35A-3-1

9. API NUMBER:  
43-039-30033

10. FIELD AND POOL, OR WILDCAT:  
WILDCAT

COUNTY: SANPETE

STATE: UTAH

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR  
PETRO-HUNT, L. L. C.

3. ADDRESS OF OPERATOR: 1601 ELM ST, STE 3400 DALLAS TX 75201  
PHONE NUMBER: (214) 880-8400

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1430' FNL & 2200' FEL  
OIL/GTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NE 1/4 35 16S 2E

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/28/2007	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

We are currently drilling the Vonda H. Christensen Family LP 35A-3-1 wildcat well at 7,990' RKB with a mud weight of 9.8 ppg and a 13 3/8" shoe test of 13.5 ppg. As with our 13 3/8" casing point, we anticipate the upcoming 9 5/8" casing point to occur deeper than the originally anticipated depth of 8,450' RKB. The 13 3/8" intermediate casing was set at 6,340' RKB. Considering the closest offsets in the area, the 9 5/8" casing point may now vary from between 10,000' RKB to 13,500' RKB. We request that we be allowed to let the hole conditions dictate this next casing point, where we will design the casing and the cement program to satisfy the Utah Division of Oil, Gas and Mining regulations. Please see attached proposed casing and cement designs. The attached casing design reflects the maximum possible setting depth for the 9 5/8" casing. The cement volumes will be adjusted for the actual casing setting depth utilizing open hole caliper results.

9 5/8" Intermediate Casing Cement:  
• Cement design to be determined.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	1185	5,340'-13,500'	13.0 ppg	1.71 cfs	2591 cf	3376 cf

Intermediate design volumes are estimates based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring cement to 1,000' above 13 3/8" surface casing shoe + 15% excess. (Typical design, subject to change)

NAME (PLEASE PRINT) Cary J. Vice TITLE Sr. Engineering Consultant  
SIGNATURE *Cary J. Vice* DATE 1/28/2007

(This space for State use only)

COPY SENT TO OPERATOR  
Date: 1/29/07  
Initials: CJD

RECEIVED

JAN 29 2007

DIV. OF OIL, GAS & MINING

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 1/29/07  
BY: *[Signature]*

\* Cement shall be brought back into 13 3/8" casing shoe as proposed (Quant. will be 1500 sx min for setting depth of 13,500')



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# CASING DESIGN CHART

9 5/8" casing possibly set as deep as 13,500'

WELL: VONDA H. CHRISTENSEN FAMILY DEEP WELL  
 FIELD: WILDCAT - SANDPETE COUNTY, UT

1-28-07 revised

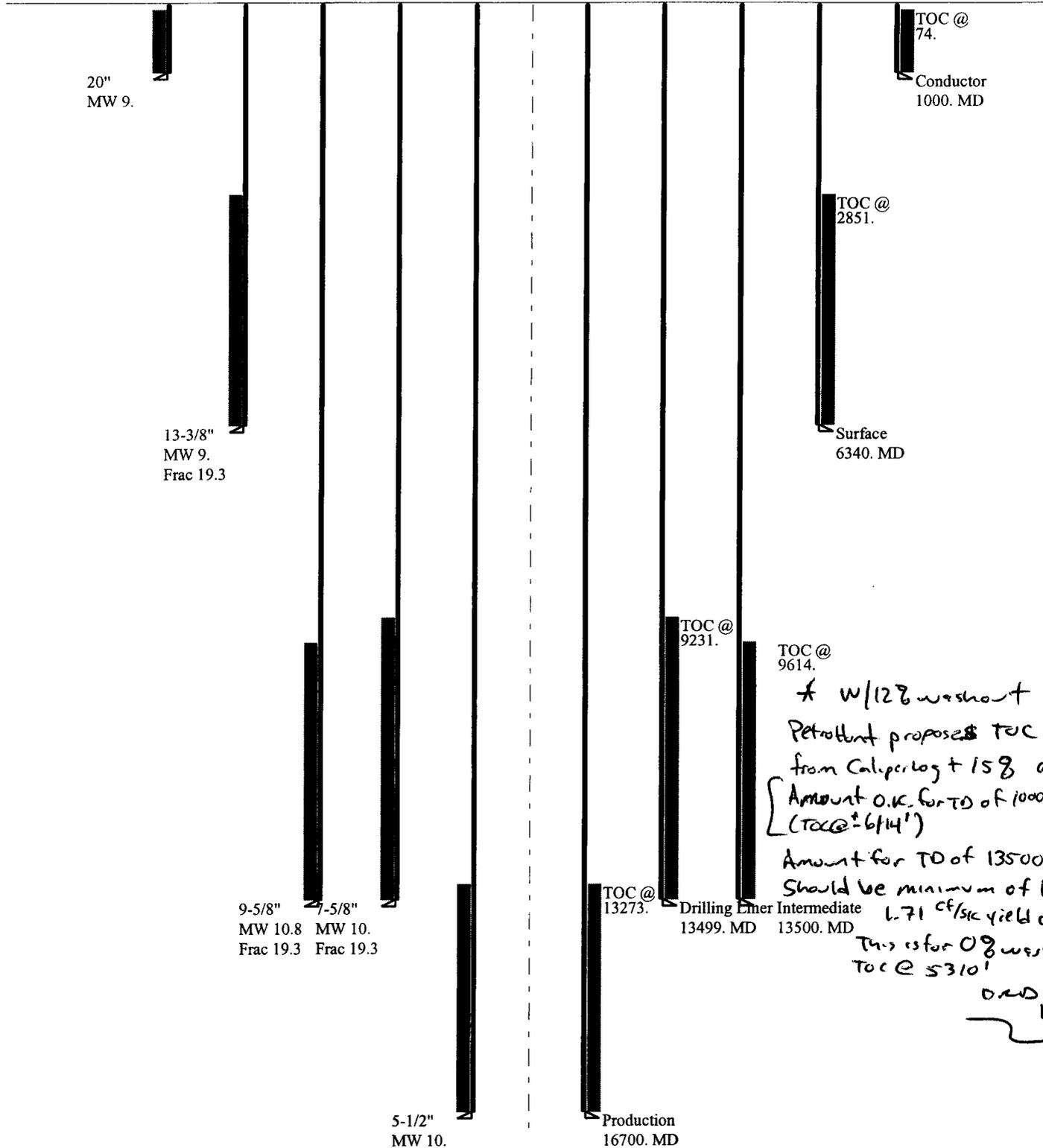
SIZE	WT/FI	GRADE	CONN	LENGTH OF SECTION	SETTING DEPTH TVD	SETTING DEPTH MD	EST. MUD WT.	PRESS GRAD P/SFT	EST. BHP MW. T/PPG	EST. FRAG. GRAD. P/PS	EST. GAS GRAD.	CALC HYDRD PRESS	WT OF AIR		COLLAPSE RATING		TENS STRENGTH		BURST RATING	
													SECTION 1000 LBS	CUMM 1000 LBS	100% PSI	ADJUSTED TUBULAR	JOINT 1000 LBS	HOOD 1000 LBS		
30"	.375" wall	B	P.E.	119	119	119														
20"	94.00	H40	BTC	1022	1022	1022	8.4	0.437	0.400	12.2	0.10	448	98	98	520	520	1014	1077	1530	
13 3/8" TOP SECTION	68.00	K65	BTC	3320	3320	3320	10.7	0.556	0.520	15.2	0.10	1847	226	443	1950	1950	1300	1069	3450	
13 3/8" BTM SECTION	72.00	HCP110	BTC	3020	3020	6340	10.7	0.556	0.520	15.2	0.10	1680	217	217	3470	3470	2221	2284	7400	
9 5/8"	53.50	P110	LTC	13500	13500	13500	10.8	0.562	0.525	16.0	0.15	7582	722	722	7950	7950	1422	1710	10800	
7 5/8" CONT. LNR	39.00	Q125	HDL	5350	13500	13500	10	0.520	0.484	17.4	0.15	7020	209	209	12060	12060	867	1399	14340	
5 1/2" TOP SECTION	20.00	P110	LTC	8100	8100	8100	10	0.520	0.484	N/A	0.15	4212	162	324	11100	11100	548	641	12630	
5 1/2" BTM SECTION	20.00	P110	HDL	8100	16200	16200	10	0.520	0.484	N/A	0.15	8424	162	162	11100	11100	329	641	12630	
2 7/8" Tbg	6.50	P110	EUE MOD.	16000	16000	16000	10	0.520	0.484	N/A	0.15	8320	104	104	14550	14550	199	199	14530	

SIZE	SAFETY FACTORS											
	DRILLING			PROD			DRLG	PROD	BODY	I. D.	I. D.	O. D.
	COL	TENS	BURST	BURST	ASP	ASP						
20"	1.100	1.600	1.200	1.200	546	N/A	18.936	19.124	19.124	21		
13 3/8" TOP SECTION	1.29	2.41	1.51	N/A	2292	N/A	12.259	12.415	12.415	14.375		
13 3/8" BTM SECTION	2.52	10.21	3.55	N/A	2085	N/A	Sp DR 12.259	12.347	12.347	14.375		
9 5/8"	2.60	1.97	7.27	1.86	1499	5846	Sp DR 8.500	8.535	8.535	10.825		
7 5/8" CONT. LNR	4.02	4.16	4.78	2.45	2997	5846	6.5	6.651	6.625	7.625		
5 1/2" TOP SECTION	3.70	1.69	N/A	2.16	N/A	5846	4.653	4.778	4.778	6.050		
5 1/2" BTM SECTION	1.85	2.03	N/A	2.16	N/A	5846	4.653	4.699	4.778	5.500		
2 7/8" Tbg	2.46	1.91	N/A	2.49	N/A	5846	2.347	2.441	2.441	3.668		
BHP - MUD WT @ TD 0.7 PPG X .852 X TVD =							7834					

Casing Schematic

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Surface



20"  
MW 9.

13-3/8"  
MW 9.  
Frac 19.3

9-5/8"  
MW 10.8  
Frac 19.3

7-5/8"  
MW 10.  
Frac 19.3

5-1/2"  
MW 10.

TOC @  
13273.

Drilling Liner Intermediate  
13499. MD 13500. MD

Production  
16700. MD

TOC @  
9231.

TOC @  
9614.

\* w/12% washout  
 Petrohunt proposes TOC @ 5340'  
 from Caliper log + 158 o.k.  
 [Amount o.k. for TD of 10000' MD  
 (TOC @ 6114)']  
 Amount for TD of 13500' MD  
 should be minimum of 1500 sq  
 ft 1.71 cf/sk yield cement  
 This is for 0% washout  
 TOC @ 5310'

DMD  
1/24/07

TOC @  
74.  
Conductor  
1000. MD

TOC @  
2851.

Surface  
6340. MD

Well name:	<b>2006-09 Petro Hunt VHCF 35A-3-1rev.</b>		
Operator:	<b>Petro-Canada Resources (USA)</b>		Project ID:
String type:	Intermediate		43-039-30033
Location:	Sanpete County		

**Design parameters:**

**Collapse**  
 Mud weight: 10.800 ppg  
 Internal fluid density: 2.310 ppg

**Minimum design factors:**

**Collapse:**  
 Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 264 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

**Burst:**

Design factor 1.00

Cement top: 9,614 ft

**Burst**

Max anticipated surface pressure: 5,001 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 7,971 psi

*→ 5m BOP E proposed - o.k.*

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

**Non-directional string.**

No backup mud specified.

Tension is based on buoyed weight.  
 Neutral point: 11,299 ft

**Re subsequent strings:**

Next setting depth: 16,700 ft  
 Next mud weight: 10.000 ppg  
 Next setting BHP: 8,675 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 13,500 ft  
 Injection pressure: 13,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	13500	9.625	53.50	P-110	LT&C	13500	13500	8.5	5363.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5954	7950	1.335	7971	10900	1.37	604	1422	2.35 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5280  
 FAX: 801-359-3940

Date: January 29, 2007  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 13500 ft, a mud weight of 10.8 ppg. An internal gradient of 12 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Petro Hunt uses 50.2 ppg / 50.8 mud  
 (± 0.325 psi/ft) internal grad.*

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE / 64

6 IF INDIAN ALLOTTEE OR TRIBE NAME:

7 UNIT OR CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, re-enter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1 TYPE OF WELL OIL WELL [X] GAS WELL [ ] OTHER [ ]

8 WELL NAME and NUMBER:
VHCF 35a-3-1

2 NAME OF OPERATOR:
PETRO-HUNT, L. L. C.

9 API NUMBER:
4303930033

3 ADDRESS OF OPERATOR:
1601 ELM ST, SUITE 3400 CITY DALLAS STATE TX ZIP 75201

PHONE NUMBER:
(214) 880-8400

10 FIELD AND POOL OR WILDCAT:
WILDCAT

4 LOCATION OF WELL
FOOTAGES AT SURFACE: 1430' FNL & 2200' FEL
COUNTY: SANPETE
QTR/QTR SECTION, TOWNSHIP, RANGE, MERIDIAN: NE 1/4 35 16S 2E STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes checkboxes for NOTICE OF INTENT, SUBSEQUENT REPORT, and various actions like ACIDIZE, DEEPEN, ALTER CASING, etc.

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS Clearly show all pertinent details including dates, depths, volumes, etc
We are currently drilling the Vonda H. Christensen Family LP 35A-3-1 wildcat well at 12,160' RKB with a mud weight of 10.4 ppg and a 13 3/8" shoe test at 6,340' of 13.5 ppg. The 9 5/8" casing point was originally anticipated at a depth of 8,450' RKB. Our previous Form 9, submitted 1/28/2007, requested that hole conditions dictate the 9 5/8" casing point.

The attached casing design reflects a proposed change from a full string of 9 5/8" casing to a 9 5/8" drilling liner. We are anticipating a minimum of 300' overlap into the 13 3/8" casing.

9 5/8" drilling liner cement, top of cement +/- 6,000' :

Table with columns: Type, Sacks, Interval, Density, Yield, Open Hole Volume, Cement Volume. Values include 1800 sacks, 6,000' - 13,500' interval, 13.0 ppg density, 1.71 cf/sx yield, 2242 cf open hole volume, 3079 cf\* cement volume.

\* Cement volume estimated at gauge hole + 25% excess. Actual cement design to be determined and volume may vary dependent on caliper log results.

NAME (PLEASE PRINT) Cary J. Vice TITLE Sr. Engineering Consultant
SIGNATURE [Signature] DATE 3/1/2007

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 3/1/07
BY: [Signature]

RECEIVED
MAR 02 2007

DIV. OF OIL, GAS & MINING
[Stamp]



# CASING DESIGN CHART

9 5/8" LINER AT 13,500', TOP AT 6,000'

5 1/2" CASING - P110 ON TOP, L80 ON BTM

WELL: VONDA H. CHRISTENSEN FAMILY DEEP WELL  
 FIELD: WILDCAT - SANDPETE COUNTY, UT  
 2-24-07 revised cjv

SIZE	WT/FT	GRADE	CONN	LENGTH OF SECTION	SETTING DEPTH TVD	SETTING DEPTH MD	EST. HUD WT.	PRESS GRAD P8/FT	EST. DHP MWY-Topo	EST. FRAC GRAD. PPS	EST. GAS GRAD.	CALC HYDRO PRESS	WT IN AIR		COLLAPSE RATING		TENS. STRENGTH		BURST RATING	
													SECTION 1000 LBS	CURB 1000 LBS	100% PSI	ADJUSTED TENSILE	JOINT 1000 LBS	BODY 1000 LBS		
30"	.375" wall	B	P.E.	119	119	119														
20"	94.00	H40	BTC	1022	1022	1022	8.4	0.437	0.400	12.2	0.10	446	96	96	520	520	1014	1077	1530	
13 3/8" TOP SECTION	68.00	K55	BTC	3320	3320	3320	10.7	0.556	0.520	15.2	0.10	1847	226	443	1950	1950	1300	1069	3450	
13 3/8" BTM SECTION	72.00	HCP110	BTC	3020	3020	6340	10.7	0.556	0.520	15.2	0.10	1680	217	217	3470	3470	2221	2284	7400	
9 5/8" LNR	53.50	P110	LTC	7500	13500	13500	10.4	0.541	0.504	16.0	0.15	7301	401	401	7950	7950	1422	1710	10900	
7 5/8" CONT LNR	39.00	Q125	HDL	2000	15000	15000	9.6	0.499	0.463	17.4	0.15	7488	78	78	12060	12060	867	1399	14340	
5 1/2" TOP SECTION	20.00	P110	LTC	12200	12200	12200	9.6	0.499	0.463	N/A	0.15	6090	244	324	11100	11100	548	641	12630	
5 1/2" BTM SECTION	20.00	L80	SLX	4000	16200	16200	9.6	0.499	0.463	N/A	0.15	8087	80	80	8830	8830	393	466	9190	
2 7/8" Tbg	6.50	P110	EUE MOD.	16000	16000	16000	9.6	0.499	0.463	N/A	0.15	7987	104	104	14550	14550	199	199	14530	

SIZE	SAFETY FACTORS									
	DRILLING				PROD.					
	COL	TENS	BURST	BURST	ASP	ASP	DRIFT	PIH	CEO	CPLG
20"	1.100	1.600	1.200	1.200	DRLG	PROD	BODY	I. D.	I. D.	O. D.
20"	1.51	10.56	2.80	N/A	546	N/A	18.936	19.124	19.124	21
13 3/8" TOP SECTION	1.29	2.41	1.51	N/A	2829	N/A	12.259	12.415	12.415	14.375
13 3/8" BTM SECTION	2.52	10.21	3.55	N/A	2829	N/A	Sp Dft 12.250	12.347	12.347	14.375
9 5/8" LNR	2.50	3.54	3.85	1.94	2829	5612	Sp Dft 8.500	8.535	8.535	10.625
7 5/8" CONT LNR	4.26	11.12	5.07	2.56	2829	5612	6.5	6.551	6.625	7.625
5 1/2" TOP SECTION	2.61	1.69	N/A	2.25	N/A	5612	4.653	4.778	4.778	6.050
5 1/2" BTM SECTION	1.56	4.91	N/A	1.64	N/A	5612	4.653	4.698	4.778	5.508
2 7/8" Tbg	2.60	1.91	N/A	2.59	N/A	5612	2.347	2.441	2.441	3.668
BHP = MUD WT @ TD - 0.7 PPG X .052 X TVD =							7497			

RECEIVED  
 MAR 02 2007  
 DIV. OF OIL, GAS & MINING

**From:** "Cary Vice" <cvice@petrohunt.com>  
**To:** "Dustin Doucet" <DUSTINDOUCET@utah.gov>  
**Date:** 3/5/2007 10:41 AM  
**Subject:** FW: Vonda H. Christensen Family LP 35A-3-1 - Form 9  
**Attachments:** maximum load.pdf; Max allow casing pressure.pdf; VONDA CHRISTENSEN - deep c sg design 3-4-07.xls

**CC:** "Charles Rigdon" <Crigdon@petrohunt.com>, "James Hillman" <jhillman@petr...

Dustin,

First off, we must remember that this is a "drilling burst" design. It is not intended to be a "production burst" design. We feel fairly certain that after reaching total depth and logging, this well will be sidetracked to a more optimum bottom hole location. Of course, we will follow the proper regulatory requirements. If for some reason, we decide to attempt to produce this well at its current proposed bottom hole location, we are aware that this drilling design will not suffice for production.

All of Petro-Hunt, L. L. C.'s design calculations are based on accepted industry standards with the safety of personnel and the environment in mind. At no time will Petro-Hunt shortcut these standards.

The attached "max allow casing pressure.pdf" is a copy of a well kill sheet. The second page is an enlargement of the Pressure Consideration section. Using these 4 formulas, we determine the maximum allowable surface pressure. The first 2 formulas refer to the estimated formation integrity with initial and present mud weights. The third formula refers to the adjusted casing internal yield. And, the fourth one is the BOP test pressure. Utilizing these, we establish the maximum allowable surface pressure (MASP) at which the well can be shut in before the formation breaks down at the casing shoe. We maintain this at the rig site and continually update it. The minimum value obtained from these calculations determines whether the well is shut in during a kick and normal kill procedures are followed or the well is killed using dynamic kill procedures. With a current shoe test of 12.0 ppg, the maximum pressure that the 13 3/8" casing will see prior to the shoe breaking down is 527 psi. This MASP can not be exceeded during a shut in operation. This 12.0 ppg shoe test is correct for this well and the 13.5 ppg shoe test I reported to you initially was incorrect. The 13 3/8" shoe was tested with 10.1 ppg mud + 625 psi for a 12.0 ppg equivalent mud weight.

These same calculations will be done for the MASP after the 9 5/8" and 7 5/8" drilling liners are set at 13,500' and 15,000' respectively. With the anticipated fracture gradients for those points, we calculate a 982 psi MASP after the 9 5/8" drilling liner is set and a 1,092 psi MASP after the 7 5/8" drilling liner is set. Therefore, we anticipate that the 13 3/8" casing will never see more than 1,092 psi in a drilling environment. This calculates to a 3.16 drilling burst safety factor on the 13 3/8" 68# casing, the weakest exposed casing string to the wellbore. Even with this knowledge, Petro-Hunt uses a maximum load design for our drilling burst which is almost three times the load that the MASP will exert for added safety.

The maximum load drilling burst formula is as follows:

$$\text{Drilling Burst} = (\text{MMW} \times .052 \times \text{MTVD}) - (.5 \times \text{MMW} \times .052 \times \text{MTVD}) - (.5 \times \text{GG} \times \text{MTVD})$$

Where :

MMW = maximum mud weight

MTVD = maximum true vertical depth

GG = gas gradient

For a maximum load calculation at the time of a kick, we assume the well will be shut in and a maximum of 50% of the casing can be voided at anytime, leaving 50% gas over mud left in the hole. This assumption does not take into account the maximum allowable surface pressure.

For this well, those calculations are as follows:

$$\text{Drilling Burst Pressure} = (9.6 \times .052 \times 16200) - (.5 \times 9.6 \times .052 \times 16200) - (.5 \times .15 \times 16200) = 2829 \text{ psi. The Drilling Burst Safety Factor for } 13 \frac{3}{8} \text{'' } 68\# \text{ K55} = 3450 / 2829 = 1.22 \text{ safety factor.}$$

This meets Petro-Hunt's minimum drilling burst safety design requirements. This is an accepted practice throughout the industry. I have attached a page from an industry accepted casing design book and the most recent "revised casing design" for subject well. As you will see from the casing design book page, the maximum loadsheet, the 13 3/8" is not designed to handle a production burst load. Prior to entering into a completion mode, either the 9 5/8", 7 5/8" or 5 1/2" casing strings will have to be extended back to the surface and their burst design must meet Petro-Hunt's and the industry's minimum accepted safety standards.

If you have any questions, please call and we can discuss this in detail.

Thanks,

Cary J. Vice  
214 880-7173 Dallas, TX  
601 845-4207 Brandon, MS  
985 855-2661 Cell

-----Original Message-----

From: Dustin Doucet [mailto:dustindoucet@utah.gov]

Sent: Friday, March 02, 2007 6:03 PM

To: Cary Vice

Subject: Re: Vonda H. Christensen Family LP 35A-3-1 - Form 9

Cary,

I have just looked at your proposal and have some concerns that unfortunately I did not catch on the last proposed casing depth change. My concern is on the burst rating on the upper portion of the surface casing (k-55). Your calculations do not take into account the pressure that the surface pipe could be exposed to from drilling to the next casing point. In this case, this casing would be exposed to a potential kick and pressures all the way to TD of 16200'. The K-55 casing only has a burst rating of 3450 psi and from the given expected pressures would only contain pressure (if completely shut-in) to the original proposed setting depth of 8450'. There is a good likelihood that void spaces in the cement job exist that would allow burst of this pipe in these cases (surface pressures above 2500 psi or so). I am not sure

what your BOP procedures are in case of a kick. Without further information, I think this string will have to go back to surface to isolate the weaker pipe at the top of the surface string from potential higher pressures from below. Let me know your thoughts. Thanks.

Dustin

Dustin K. Doucet  
Petroleum Engineer  
Utah Division of Oil, Gas and Mining  
Oil and Gas Program  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

Phone: (801) 538-5281  
fax: (801) 359-3940  
email: dustindoucet@utah.gov

>>> "Cary Vice" <cvice@petrohunt.com> 3/2/2007 12:38 PM >>>  
Mr. Doucet,

We are currently drilling the Vonda H. Christensen Family LP 35A-3-1 wildcat well at 12,304' RKB with a mud weight of 10.4 ppg and a 13 3/8" shoe test of 13.5 ppg. As with our 13 3/8" casing point, the upcoming 9 5/8" casing point will occur deeper than the originally anticipated depth of 8,450' RKB. The 13 3/8" intermediate casing was set at 6,340' RKB. We are allowing hole conditions to dictate this next casing point. We have designed the casing and the cement programs to satisfy the Utah Division of Oil, Gas and Mining regulations. The 9 5/8" is now designed to be a drilling liner, with an anticipated top at +/- 6,000' RKB.

I am submitting the attached Form 9 - Sundry Notices and Reports on Wells and a revised casing design for your approval.

We appreciate your assistance in this matter.

Thank you,

Cary J. Vice  
214 880-7173 Dallas, TX  
601 845-4207 Brandon, MS  
985 855-2661 Cell

# 2006-09 Petro Hunt VHCF 35A-3-1revII.

## Casing Schematic

Surface

20"  
MW 8.4  
Frac 19.3

TOC @  
0.  
Surface  
1000. MD

13-3/8"  
MW 10.  
Frac 19.3

TOC @  
2851.

TOL @  
6000.

Intermediate  
6340. MD

TOC @  
6651.

w/88 w/short

Propose TOC to 6000'

Bad

Max Allowed surface  
Pressure = 1092 psi  
Per Petro Hunt

10.8 ppg mud hydrostatic = 1829 psi  
@ 3320'

Cost K-55 = 3450 psi = burst  
Max surf press = 1621 psi -  
Circ. press. ✓ OK.

Per Petro Hunt Frac press @ Int. Slue = 3956 psi  
Max surf press. = 982 psi

9-5/8"  
MW 10.5  
Frac 19.3

TOC @  
13273.  
Drilling Liner  
13500. MD

→ Potential contingency  
Liner @ 15,000'

5-1/2"  
MW 10.

Production  
16700. MD

✓ OK. @ MD 31617

Well name: **2006-09 Petro Hunt VHCF 35A-3-1rev11.**  
 Operator: **Petro-Canada Resources (USA)**  
 String type: **Intermediate** Project ID: **43-039-30033**  
 Location: **Sanpete County**

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 164 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 250 ft

**Burst:**

Design factor 1.00

Cement top: 2,851 ft

**Burst**

Max anticipated surface pressure: 3,151 psi  
 Internal gradient: 0.310 psi/ft  
 Calculated BHP 5,117 psi

Annular backup: 8.33 ppg

Annular surface pressure: 11 psi

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on buoyed weight.  
 Neutral point: 5,422 ft

**Non-directional string.**

*based on Petro Hunt Gas/mud of 50% gas/50% mud max load reasonable*

**Re subsequent strings:**

Next setting depth: 16,700 ft  
 Next mud weight: 9.600 ppg  
 Next setting BHP: 8,328 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 6,340 ft  
 Injection pressure: 6,340 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
2	3300	13.375	68.00	K-55	Buttress	3300	3300	12.29	2774.2
1	3040	13.375	72.00	HCP-110	Buttress	6340	6340	12.25	2527.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	1714	1862	1.086 ✓	3140	3450	1.10 ✓	377	1069	2.84 B ✓
1	3294	3470	1.054 ✓	2735	7400	2.71 ✓	153	2221	14.54 J ✓

Prepared by: Dustin K. Doucet  
 Div of Oil, Gas & Minerals

Phone: 801-538-5281  
 FAX: 801-359-3940

Date: March 6, 2007  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6340 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>2006-09 Petro Hunt VHCF 35A-3-1 revII.</b>	
Operator:	<b>Petro-Canada Resources (USA)</b>	Project ID:
String type:	Drilling Liner	43-039-30033
Location:	Sanpete County	

**Design parameters:**

**Collapse**  
Mud weight: 10.500 ppg  
Internal fluid density: 2.310 ppg

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 264 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

**Burst:**  
Design factor 1.00

Cement top: 6,373 ft

**Burst**

Max anticipated surface pressure: 7,604 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 10,574 psi

No backup mud specified.

**Tension:**  
8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Liner top: 6,000 ft

**Non-directional string.**

Tension is based on buoyed weight.  
Neutral point: 12,311 ft

**Re subsequent strings:**

Next setting depth: 16,700 ft  
Next mud weight: 13.000 ppg  
Next setting BHP: 11,278 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 13,500 ft  
Injection pressure: 13,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7500	9.625	53.50	P-110	LT&C	13500	13500	8.5	2979.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5744	7950	1.384 ✓	10574	10900	1.03 ✓	338	1422	4.21 J ✓

Prepared by: Dustin K. Doucet  
Div of Oil, Gas & Minerals

Phone: 801-538-5281  
FAX: 801-359-3940

Date: March 2, 2007  
Salt Lake City, Utah

Remarks:  
For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13500 ft, a mud weight of 10.5 ppg. An Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

CONFIDENTIAL

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE / 64

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1 TYPE OF WELL: OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
VHCF 35A-3-1

2 NAME OF OPERATOR:  
PETRO-HUNT, L. L. C.

9. API NUMBER:  
4303930033

3. ADDRESS OF OPERATOR:  
1601 ELM ST, SUITE 3400 DALLAS TX 75201 PHONE NUMBER: (214) 880-8400

10. FIELD AND POOL, OR WILDCAT:  
WILDCAT

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1430' FNL & 2200' FEL COUNTY: SANPETE  
QTR/QTR. SECTION. TOWNSHIP. RANGE MERIDIAN: NE1/4 35 16S 2E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit In Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS Clearly show all pertinent details including dates, depths, volumes, etc

We are currently drilling the Vonda H. Christensen Family LP 35A-3-1 wildcat well at 14,300' RKB with a mud weight of 10.4 ppg and a 13 3/8" shoe test at 6,340' of 12.0 ppg. As with our previously submitted and approved Form 9, we are allowing hole conditions to dictate the 9 5/8" drilling liner point. We are looking for an "oolite" marker which normally occurs approximately 300' above our Navajo formation objective. With your approval, our plans are to drill to our permitted depth of 16,700' RKB and log the well. At that time, the decision will be made whether to run a 9 5/8" drilling liner and permit the well deeper, plugback for sidetrack operations or plug & abandon the well.

I have attached a revised casing design for your review.

Assuming the 9 5/8" drilling liner would be cemented back into the 13 3/8" surface casing and with an estimated cement top at 6,000', then we would use the following type and volume of cement:

Type	Sacks	Interval	Density	Yield	Open Hole Volume Gauge Hole	Cement Volume
Lead	2470 sx	6,000' - 16,700'	13.0 ppg	1.77 cf/sx	3245 cf	4373 cf*

\* Cement volume estimated at gauge hole + 25% excess. Actual cement design to be determined and volume may vary dependent on caliper log results and hole conditions.

NAME (PLEASE PRINT) Cary J. Vice TITLE Sr. Engineering Consultant

SIGNATURE *Cary J. Vice* DATE 3/21/2007 3/26/07  
BM

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

(5/2000) DATE: 3/21/07  
BY: *[Signature]*

(See Instructions on Reverse Side)

RECEIVED  
MAR 21 2007  
DIV. OF OIL, GAS & MINING



# CASING DESIGN CHART

9 5/8" LINER AT 16,700', TOP AT 6,000'

WELL: VONDA H. CHRISTENSEN FAMILY DEEP WELL  
 FIELD: WILDCAT - SANDPETE COUNTY, UT

3-21-07 revised cjr

SIZE	WT/FT	GRADE	CONDI	LENGTH OF SECTION	SETTING DEPTH TVD	SETTING DEPTH MD	EST. MUD WT.	PRESS GRAD PS/FT	EST. SHIP MW-70PP	EST. FRAC GRAD. PPG	EST. GAS GRAD.	CALC HYDRO PRESS	WT IN AIR		COLLAPSE RATIO		TENS. STRENGTH		BURST RATIO	
													SECTION 1000 LBS	CUMM 1000 LBS	100% PSI	ADJUSTED TENSILE	JOINT 1000 LBS	BODY 1000 LBS		
30"	.375" wall	B	P.E.	119	119	119														
20"	94.00	H40	BTC	1022	1022	1022	8.4	0.437	0.400	12.2	0.10	446	96	96	520	520	1014	1077	1530	
13 3/8" TOP SECTION	68.00	K55	BTC	3320	3320	3320	10.7	0.556	0.520	13.5	0.10	1847	228	443	1950	1950	1300	1069	3450	
13 3/8" BTM SECTION	72.00	HCP110	BTC	3020	3020	6340	10.7	0.556	0.520	13.5	0.10	1680	217	217	3470	3470	2221	2284	7400	
9 5/8" LNR	53.50	P110	LTC	10700	16700	16700	10.4	0.541	0.504	11.0	0.15	9031	572	572	7950	7950	1422	1710	10900	
2 7/8" Tbg	6.50	P110	EUE MOD.	16000	16000	16000	8.6	0.499	0.463	N/A	0.15	7987	104	104	14550	14550	199	199	14530	

SIZE	SAFETY FACTORS									
	DRILLING			PROD.						
	COL	TENS	BURST	BURST	ASP	ASP	DRIFT	PM	CSO	CPLG
	1.100	1.800	1.200	1.200	DRLG	PROD	BODY	I. D.	I. D.	O. D.
20"	1.51	10.56	2.80	N/A	546	N/A	18.936	19.124	19.124	21
13 3/8" TOP SECTION	1.29	2.41	1.22	N/A	2829	N/A	12.259	12.415	12.415	14.375
13 3/8" BTM SECTION	2.52	10.21	2.62	N/A	2829	N/A	Sp Dft 12.250	12.347	12.347	14.375
9 5/8" LNR	2.40	2.48	3.85	1.94	2829	5612	Sp Dft 8.500	8.535	8.535	10.625
2 7/8" Tbg	2.60	1.91	N/A	2.59	N/A	5612	2.347	2.441	2.441	3.868

BHP = MUD WT @ TD - 0.7 PPG X .052 X TVD = 7497

Well name:	<b>2006-09 Petro Hunt VHCF 35A-3-1revll.</b>	
Operator:	<b>Petro-Canada Resources (USA)</b>	
String type:	Drilling Liner	Project ID: 43-039-30033
Location:	Sanpete County	

**Design parameters:**

**Collapse**

Mud weight: 10.500 ppg  
Internal fluid density: 2.310 ppg

**Burst**

Max anticipated surface pressure: 8,649 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP: 9,109 psi  
  
Annular backup: 8.33 ppg

Maximum load details:  
Maximum load: 8,649 psi  
Max load depth: 6,750 ft  
Gas over mud method

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 15,004 ft

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 309 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top:

6,063 ft  
*w/58 washout  
Propose to 6000'*

Liner top:

6,000 ft

**Non-directional string.**

*o.k.*

**Re subsequent strings:**

Next setting depth: 16,700 ft  
Next mud weight: 9.600 ppg  
Next setting BHP: 8,328 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 16,700 ft  
Injection pressure: 16,700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10700	9.625	53.50	P-110	LT&C	16700	16700	8.5	4251.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	7105	7950	1.119	7869	10900	1.39	482	1422	2.95 J

*O.K.*

*Dud 3/21/09*

Prepared by: Dustin K. Doucet  
Div of Oil, Gas & Minerals

Phone: 801-538-5281  
FAX: 801-359-3940

Date: March 21, 2007  
Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 16700 ft, a mud weight of 10.5 ppg. Annular Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**EXACT Engineering, Inc.**

www.exactengineering.com

415 S. Boston Ave., Suite 734, Tulsa, OK 74103 • (918) 599-9400 • (918) 599-9401 (fax)

Steven R. Hash P.E.  
Registered Professional Engineer  
stevehash@exactengineering.com

March 24, 2007

CONFIDENTIAL

Mr. Dustin Doucet  
Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

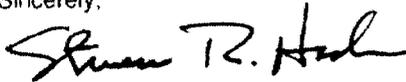
API# 43-039-30033

Re: Drilling Update #10 - Petro-Hunt, LLC  
Vonda H. Christensen Family 35A-3-1 well  
Sec 35 T16S R02E  
Sanpete Co, UT  
API# 43-039-30033

Gentlemen,

On behalf of Petro-Hunt, LLC, 258 119<sup>th</sup> Ave SW, Killdeer, ND 58640 (701) 863-6622, please find attached daily reports from drilling operations from February 24, 2007 to March 24, 2007. We are presently preparing to log the 12-1/4" hole section at a total depth of 14601'. We respectfully request that the enclosed information remain confidential.

Sincerely,



Steven R. Hash, P.E.

Enclosures

copy to:

Petro-Hunt, LLC daily distribution  
Mark Jones, UDOGM Field Inspector

RECEIVED

MAR 28 2007

DIV. OF OIL, GAS & MINING

Petroleum Engineering Consulting, Personnel & Jobsite Supervision  
complete well design, construction & management, drilling, completion, production, pipelines, appraisals,  
due diligence, acquisitions, procedures, temporary personnel and field supervision



Operator: Petro-Hunt LLC

DAILY DRILLING REPORT

24 hrs - 5am to 5am

DATE 03/23/07	WELL Christensen 35A-3-1	CONTRACTOR SST #68	COUNTY, STATE Sanpete, UT	SPUD DATE 12/9/06	API# 43-039-30033	SUPERVISOR Rodger Rebsom
DAYS F/ SPUD 104	PRESENT OPERATIONS @ 0500 Trip out to log	TOTAL DEPTH 14601' TD.	PROGRESS 22	DRILLING TIME 3.00	ROP 7.3	FORMATION AUTH. DEPTH Tight Hole 16700

MUD DATA

DATE/TIME	DEPTH	WT	VIS	PV	YP	GELS	FILTRATE	CAKE/32	SOLIDS	SAND	PH	SALT	CHLORIDES	CALCIUM
3/23/7:00am	14590	10.5+	38	9	15	12/18	NC	2	4.3	TR	9.4	330,000	200,000	1000

BIT DATA

BIT NO.	SIZE	MFG.	TYPE	IADC CODE	SERIAL NO.	JETS (1/32nd") or TFA				IN	OUT	FOOTAGE	HOURS	ROP	MTR	RPM	WOB	DULL CONDITION				
																		T	B	G		
16	12.250	SMITH	GF308VCP	537	PF2867	28	28	28	24			13670	14127	453	61.50	7.4	Y	35+95	10-20	4	2	1/8"
17	12.250	HUGHES	MX-CS30G	537	6052901	28	28	28	24			14127	14601	473	75.50	6.3	Y	35+95	10-20			

HYDRAULICS

SLOW PUMP PSI

PUMP NO.	MANUFACTURER	LINER	STROKE LENGTH	GAL / STK 100%	SPM	GPM	AV DP	AV DC	PUMP PRESS.	MTR DIFF	SLIDE? ROTATE?	HHP / IN <sup>2</sup>	ECD	DEPTH	14588
														SPM	35
1	National 10P130	5 1/2	10	3.1	100	310								1	365
2	National 10P130	5 1/2	10	3.1	100	310								2	365
					0										
					200	620	115	167	3250	55	ROTATE?		10.7		

CONFIDENTIAL REPORT

DRILL STRING

GEOLOGIC

GENERAL INFO

BOTTOM HOLE ASSEMBLY#	LENGTH	O.D.	ID.	FORMATION	MD	TVD	LITHO LOGY	RIG INFO			
Tight Hole	982.00	8.000	2.75	Twist Gulch	1025'			Rig Ph: Co Ph: EXACT 918-645-6671			
				Arapien	1,740			Last BOP Test 3/18			
								Next BOP Test 4/18			
								Last Safety Meeting 3/24			
								Last BOP Drill 3/20			
								Last Operate Pipe Ran 3/18			
								Last Operate Blind Ra 3/19			
								Last Operate Annular 3/18			
STRING WT.	BHA WT.	PU WT.	SO WT.	ROT. TORQUE	GRD. ELEVATION	GL TO KB	KB ELEVATION	SURF CSG	INT CASING 1	INT CASING 2	PROD CSG
332	60	394	260	2,275	5,535	25	5,560	20" @ 1022	13.375" @ 6345'	(9.625)	(7.625)

SURVEYS

MD	INCL	AZIMUTH	TVD	N+S-	E+W-	SECTION	DLS	TOOL	MD	INCL	AZIMUTH	TVD	N+S-	E+W-	SECTION	DLS	TOOL

DAILY ACTIVITY

FROM	TO	LAST 24 HOURS:
5:00	8:00	3.00 Drill & Slide from 14579' TO 14601' = TD for logs
8:00	11:00	3.00 Circ. Bottoms up & cond. Mud for logs
11:00	16:30	5.50 Trip out 88 stands to casing shoe
16:30	20:00	3.50 Trip in 14535'
20:00	23:00	3.00 Wash from 14535' to 14601'--No fill--Circ. & Cond. Mud for logs
23:00	5:00	6.00 Trip out to run wire line logs--SLM on trip out.

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MAR 28 2007

DIV. OF OIL, GAS & MINING

Note Wear Bushing installed 2/21/2007

Daily Total 24.00

SEE ATTACHED COST DETAIL PAGE FOR ESTIMATED DRY HOLE COSTS













Operator: Petro-Hunt LLC

DAILY DRILLING REPORT

24 hrs - 5am to 5am

DATE 03/16/07	WELL Christensen 35A-3-1	CONTRACTOR SST #68	COUNTY, STATE Sanpete, UT	SPUD DATE 12/9/06	API# 43-039-30033	SUPERVISOR Rodger Rebsom
DAYS F/SPUD 97	PRESENT OPERATIONS @ 0500 Drilling	TOTAL DEPTH 13,843	PROGRESS 169	DRILLING TIME 23.50	ROP 0.0	FORMATION AUTH. DEPTH Tight Hole 16700

MUD DATA

DATE/TIME	DEPTH	WT	VIS	PV	YP	GELS	FILTRATE	CAKE/32	SOLIDS	SAND	PH	SALT	CHLORIDES	CALCIUM
3/15 7:00am	13,678	10.5	34	7	8	5/7	NC	2	3.6	TR	10.8	326,000	195,000	800

BIT DATA

BIT NO.	SIZE	MFG.	TYPE	IADC CODE	SERIAL NO.	JETS (1/32nd") or TFA				IN	OUT	FOOTAGE	HOURS	ROP	MTR	RPM RT+MTR	WOB	DULL CONDITION					
																		T	B	G			
16	12.250	SMITH	GF30BVCP	537	PF2867	28	28	28	24			13670		169	23.50	7.2	Y	35+95	10-20				

HYDRAULICS

SLOW PUMP PSI

PUMP NO.	MANUFACTURER	LINER	STROKE LENGTH	GAL / STK 100%	SPM	GPM	AV DP	AV DC	PUMP PRESS.	MTR DIFF	SLIDE? ROTATE?	HHP / IN <sup>2</sup>	ECD	DEPTH	13602
														SPM	35
1	National 10P130	5 1/2	10	3.1	100	310								1	340
2	National 10P130	5 1/2	10	3.1	100	310								2	340
					0										
					200	620	115	167	3350	55	ROTATE?		10.7		

CONFIDENTIAL REPORT

DRILL STRING

GEOLOGIC

GENERAL INFO

BOTTOM HOLE ASSEMBLY#	LENGTH	O.D.	I.D.	FORMATION	MD	TVD	LITHO LOGY	RIG INFO			
Tight Hole	982.00	8.000	2.75	Twist Gulch	1025'			Rig Ph: Co Ph: EXACT 918-645-6671			
				Arapien	1,740			Last BOP Test 3/5			
								Next BOP Test 4/5			
								Last Safety Meeting 3/16			
								Last BOP Drill 3/16			
								Last Operate Pipe Rar 3/5			
								Last Operate Blind Ra 3/5			
								Last Operate Annular 3/5			
STRING WT.	BHA WT.	PU WT.	SO WT.	ROT. TORQUE	GRD. ELEVATION	GL TO KB	KB ELEVATION	SURF CSG	INT CASING 1	INT CASING 2	PROD CSG
300	60	350	260	1,792	5,535	25	5,560	20" @ 1022	13.375" @ 6345'	(9.625)	(7.625)

SURVEYS

MD	INCL	AZIMUTH	TVD	N+S-	E+ / W-	SECTION	DLS	TOOL	MD	INCL	AZIMUTH	TVD	N+S-	E+ / W-	SECTION	DLS	TOOL
13,562	1.10	221.80	13553	79	183	79	0.46	MWD									

DAILY ACTIVITY

FROM	LAST 24 HOURS:																
5:00	5:30	0.50	Wash & Ream 13580' to 13674'														
5:30	12:00	5.50	Drill & Slide from 13674' to 13738'														
12:00	12:30	0.50	Service Rig-Change seat & valve #1 pump														
12:30	5:00	17.50	Drill & Slide from 13738' to 13843'														
0:00																	
0:00																	
0:00																	
0:00																	
0:00																	
0:00																	
0:00																	
0:00																	
0:00																	
0:00																	
0:00																	
0:00			Note Wear Bushing installed 2/21/2007														
Daily Total	24.00																

SEE ATTACHED COST DETAIL PAGE FOR ESTIMATED DRY HOLE COSTS





Operator: Petro-Hunt LLC

DAILY DRILLING REPORT

24 hrs - 5am to 5am

Table with 8 columns: DATE, WELL, CONTRACTOR, COUNTY, STATE, SPUD DATE, API#, SUPERVISOR, DAYS F/ SPUD, PRESENT OPERATIONS @ 0500, TOTAL DEPTH, PROGRESS, DRILLING TIME, ROP, FORMATION, AUTH. DEPTH

MUD DATA

Table with 14 columns: DATE/TIME, DEPTH, WT, VIS, PV, YP, GELS, FILTRATE, CAKE/32, SOLIDS, SAND, PH, SALT, CHLORIDES, CALCIUM

BIT DATA

Table with 18 columns: BIT NO., SIZE, MFG., TYPE, IADC CODE, SERIAL NO., JETS (1/32nd" or TFA), IN, OUT, FOOTAGE, HOURS, ROP, MTR, RPM, WOB, DULL CONDITION

HYDRAULICS

SLOW PUMP PSI

Table with 14 columns: PUMP NO., MANUFACTURER, LINER, STROKE LENGTH, GAL / STK 100%, SPM, GPM, AV DP, AV DC, PUMP PRESS., MTR DIFF, SLIDE? ROTATE?, HHP / IN², ECD, DEPTH, SPM

CONFIDENTIAL REPORT

DRILL STRING

GEOLOGIC

GENERAL INFO

Table with 10 columns: BOTTOM HOLE ASSEMBLY#, LENGTH, O.D., I.D., FORMATION, MD, TVD, LITHO LOGY, RIG INFO, GAS DATA, SHOWS, ROP (F/HR)

SURVEYS

Table with 18 columns: MD, INCL, AZIMUTH, TVD, N+S, E+/W-, SECTION, DLS, TOOL, MD, INCL, AZIMUTH, TVD, N+S, E+/W-, SECTION, DLS, TOOL

DAILY ACTIVITY

Table with 4 columns: FROM, TO, TIME, ACTIVITY

SEE ATTACHED COST DETAIL PAGE FOR ESTIMATED DRY HOLE COSTS











Operator: Petro-Hunt LLC

DAILY DRILLING REPORT

24 hrs - 5am to 5am

DATE 03/07/07	WELL Christensen 35A-3-1	CONTRACTOR SST #68	COUNTY, STATE Sanpete, UT	SPUD DATE 12/9/06	API# 43-039-30033	SUPERVISOR Jay Rasmussen
DAYS F/ SPUD 88	PRESENT OPERATIONS @ 0500 TOOH	TOTAL DEPTH 12,806	PROGRESS 90	DRILLING TIME 10.50	ROP 8.5	FORMATION AUTH. DEPTH Tight Hole 16700

MUD DATA

DATE/TIME	DEPTH	WT	VIS	PV	YP	GELS	FILTRATE	CAKE/32	SOLIDS	SAND	PH	SALT	CHLORIDES	CALCIUM
3/7 7:00am	12,806	10.5	35	7	8	6/8	NC	2	3.8	TR	10.1	326,000	198,000	1100

BIT DATA

BIT NO.	SIZE	MFG.	TYPE	IADC CODE	SERIAL NO.	JETS (1/32nd") or TFA				IN	OUT	FOOTAGE	HOURS	ROP	MTR	RPM	WOB	DULL CONDITION					
																		T	B	G			
14	12.250	SMITH	GF30BVCP	537	MY7769	28	28	28	24			11633		530	124.00	4.3	Y	35+95	10-20				
15	12.250	SMITH	GF30BVCP	537	PE7141	28	28	28	24			12716											

HYDRAULICS

SLOW PUMP PSI

PUMP NO.	MANUFACTURER	LINER	STROKE LENGTH	GAL / STK 100%	SPM	GPM	AV DP	AV DC	PUMP PRESS.	MTR DIFF	SLIDE? ROTATE?	HHP / IN <sup>2</sup>	ECD	DEPTH	11774
														SPM	45
1	National 10P130	5 1/2	10	3.1	105	326								1	480
2	National 10P130	5 1/2	10	3.1	105	326								2	480
					210	651	121	176	3321	55	ROTATE?		10.7		

CONFIDENTIAL REPORT

DRILL STRING

GEOLOGIC

GENERAL INFO

BOTTOM HOLE ASSEMBLY#	LENGTH	O.D.	I.D.	FORMATION	MD	TVD	LITHO LOGY	RIG INFO			
Tight Hole	982.00	8.000	2.75	Twist Gulch	1025'			Rig Ph: Co Ph: EXACT 918-645-6671			
				Arapien	1,740			Last BOP Test 3/5			
								Next BOP Test 4/5			
								Last Safety Meeting 3/6			
								Last BOP Drill 3/5			
								Last Operate Pipe Ra 3/5			
								Last Operate Blind Ra 3/5			
								Last Operate Annular 3/5			
STRING WT.	BHA WT.	PU WT.	SO WT.	ROT. TORQUE	GRD. ELEVATION	GL TO KB	KB ELEVATION	SURF CSG	INT CASING 1	INT CASING 2	PROD CSG
277	60	320	260	1,650	5,535	25	5,560	20" @ 1022	13.375" @ 6345'	(9.625)	(7.625)

SURVEYS

MD	INCL	AZIMUTH	TVD	N/S-	E/W-	SECTION	DLS	TOOL	MD	INCL	AZIMUTH	TVD	N/S-	E/W-	SECTION	DLS	TOOL
12,617	0.70	154.70	12609	79	195	79	1.43	MWD									
12,711	1.20	255.20	12703	78	194	78	1.59	MWD									

DAILY ACTIVITY

FROM			LAST 24 HOURS:
5:00	6:00	1.00	Cut & Slip 130' drilling line
6:00	7:00	1.00	Change out saver sub
7:00	9:30	2.50	TIH to 12,635'
9:30	10:00	0.50	Reaming 12,635' to 12,716'
10:00	20:30	10.50	Drill 12,716' to 12,806'
20:30	22:30	2.00	Looking for pressure loss
22:30	5:00	6.50	TOH
0:00			
0:00			
0:00			
0:00			
0:00			
0:00			
0:00			
0:00			
0:00			Note Wear Bushing installed 2/21/2007
Daily Total	24.00		

SEE ATTACHED COST DETAIL PAGE FOR ESTIMATED DRY HOLE COSTS





Operator: Petro-Hunt LLC

DAILY DRILLING REPORT

24 hrs - 5am to 5am

Table with 8 columns: DATE, WELL, CONTRACTOR, COUNTY, STATE, SPUD DATE, API#, SUPERVISOR, DAYS F/ SPUD, PRESENT OPERATIONS @ 0500, TOTAL DEPTH, PROGRESS, DRILLING TIME, ROP, FORMATION, AUTH. DEPTH

MUD DATA

Table with 14 columns: DATE/TIME, DEPTH, WT, VIS, PV, YP, GELS, FILTRATE, CAKE/32, SOLIDS, SAND, PH, SALT, CHLORIDES, CALCIUM

BIT DATA

Table with 16 columns: BIT NO., SIZE, MFG., TYPE, IADC CODE, SERIAL NO., JETS (1/32nd) or TFA, IN, OUT, FOOTAGE, HOURS, ROP, MTR, RPM RT+MTR, WOB, DULL CONDITION

HYDRAULICS

SLOW PUMP PSI

Table with 14 columns: PUMP NO., MANUFACTURER, LINER, STROKE LENGTH, GAL / STK 100%, SPM, GPM, AV DP, AV DC, PUMP PRESS., MTR DIFF, SLIDE? ROTATE?, HHP / IN², ECD, DEPTH, 11774, SPM, 45

CONFIDENTIAL REPORT

DRILL STRING

GEOLOGIC

GENERAL INFO

Table with 10 columns: BOTTOM HOLE ASSEMBLY#, LENGTH, O.D., I.D., FORMATION, MD, TVD, LITHO LOGY, RIG INFO

SURVEYS

Table with 18 columns: MD, INCL, AZIMUTH, TVD, N+S-, E+/W-, SECTION, DLS, TOOL, MD, INCL, AZIMUTH, TVD, N+S-, E+/W-, SECTION, DLS, TOOL

DAILY ACTIVITY

Table with 4 columns: FROM, TO, TIME, ACTIVITY

SEE ATTACHED COST DETAIL PAGE FOR ESTIMATED DRY HOLE COSTS

Operator: Petro-Hunt LLC

DAILY DRILLING REPORT

24 hrs - 5am to 5am

Table with 8 columns: DATE, WELL, CONTRACTOR, COUNTY, STATE, SPUD DATE, API#, SUPERVISOR. Values include 03/03/07, Christensen 35A-3-1, SST #68, Sanpete, UT, 12/9/06, 43-039-30033, Jay Rasmussen.

Table with 12 columns: DATE/TIME, DEPTH, WT, VIS, PV, YP, GELS, FILTRATE, CAKE/32, SOLIDS, SAND, PH, SALT, CHLORIDES, CALCIUM. Values include 3/3 8:00am, 12,474, 10.4, 35, 8, 13, 9/12, NC, 2, 3.5, TR, 10.1, 326,000, 198,000, 1250.

Table with 18 columns: BIT NO., SIZE, MFG., TYPE, IADC CODE, SERIAL NO., JETS (1/32nd) or TFA, IN, OUT, FOOTAGE, HOURS, ROP, MTR, RPM, WOB, DULL CONDITION. Values include 14, 12.250, SMITH, GF30BVCP, 537, MY7769, 28, 28, 28, 24, 11633, 530, 92.80, 5.7, Y, 35+95, 10-20.

Table with 15 columns: PUMP NO., MANUFACTURER, LINER, STROKE LENGTH, GAL / STK 100%, SPM, GPM, AV DP, AV DC, PUMP PRESS, MTR DIFF, SLIDE? ROTATE?, HHP / IN², ECD, DEPTH, SPM. Values include 1, National 10P130, 5 1/2, 10, 3.1, 106, 329, 121, 176, 3557, 55, SLIDE?, 10.7.

CONFIDENTIAL REPORT

Table with 12 columns: DRILL STRING, GEOLOGIC, GENERAL INFO. Values include Tight Hole, 982.00, 8.000, 2.75, Twist Gulch, 1025', Arapien, 1,740, Rig Ph: EXACT 918-645-6671.

Table with 18 columns: MD, INCL, AZIMUTH, TVD, N+S, E+W, SECTION, DLS, TOOL, MD, INCL, AZIMUTH, TVD, N+S, E+W, SECTION, DLS, TOOL. Values include 12,333, 3.30, 117.90, 12325, 79, 186, 79, 4.77, MWD.

Table with 4 columns: FROM, TO, TIME, ACTIVITY. Values include 5:00-11:00, 11:00-12:00, 12:00-12:30, 12:30-1:30, 1:30-5:00, 0:00-0:00, Note Wear Bushing installed 1/19/2007.

SEE ATTACHED COST DETAIL PAGE FOR ESTIMATED DRY HOLE COSTS















STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1 TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5 LEASE DESIGNATION AND SERIAL NUMBER: FEE / 64
2 NAME OF OPERATOR: PETRO-HUNT, L. L. C.		6 IF INDIAN, ALLOTTEE OR TRIBE NAME:
3 ADDRESS OF OPERATOR: 1601 ELM ST SUITE 3400 CITY DALLAS STATE TX ZIP 75201		7 UNIT or CA AGREEMENT NAME:
4 LOCATION OF WELL FOOTAGES AT SURFACE: 1430' FNL & 2200' FEL QTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE1/4 35 16S 2E		8 WELL NAME and NUMBER: VHCF 35A-3-1
PHONE NUMBER: (214) 880-8400		9 API NUMBER: 4303930033
COUNTY: SANPETE		10 FIELD AND POOL OR WILDCAT: WILDCAT
STATE: UTAH		

**CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>3/28/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS Clearly show all pertinent details including dates, depths, volumes, etc

The Vonda H. Christensen Family LP 35A-3-1 well has been temporarily abandoned. All cement plugs have been set as originally proposed for permanent abandonment on our sundry notice dated 3/26/2007. Petro-Hunt has since requested and received verbal approval from Mr. Dustin Doucet to leave the wellhead equipment on the well and install a dry hole tree on top. This well will now be considered "Temporarily Abandoned". A sign will be placed on / near the wellhead identifying the well.

COPY SENT TO OPERATOR  
Date: 3-30-07  
Initials: DM

NAME (PLEASE PRINT) <u>Cary J. Vice</u>	TITLE <u>Sr. Engineering Consultant</u>
SIGNATURE <u><i>Cary J. Vice</i></u>	DATE <u>3/28/2007</u>

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

(5/2000)

DATE: 3/28/07 (See Instructions on Reverse Side)

*Dustin Doucet*

\* well completion Report must be filed

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**MAR 28 2007**

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE / 64.	
6. IF INDIAN ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	
8. WELL NAME and NUMBER: VHCF 35A-3-1	
9. API NUMBER: 4303930033	
10. FIELD AND POOL OR WILDCAT: WILDCAT	
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	
2. NAME OF OPERATOR: PETRO-HUNT, L. L. C.	
3. ADDRESS OF OPERATOR: 1601 ELM ST, SUITE 3400 CITY DALLAS STATE TX ZIP 75201 PHONE NUMBER: (214) 880-8400	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1430' FNL & 2200' FEL COUNTY: SANPETE QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE1/4 35 16S 2E STATE: UTAH	

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS Clearly show all pertinent details including dates, depths, volumes, etc

We have drilled and logged the Vonda H. Christensen Family LP 35A-3-1 wildcat well to 14,601' RKB. There were no hydrocarbon zones in the open hole. We are polling partners and recommending this well be plugged and abandoned.

I am attaching our Proposed P & A Schematic and Proposed Plug & Abandonment Procedure, verbally approved by Dustin Doucet 3-26-07.

NAME (PLEASE PRINT) Cary J. Vice	TITLE Sr. Engineering Consultant
SIGNATURE <i>Cary J. Vice</i>	DATE 3/26/2007

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 3/28/07 (See instructions on Reverse Side)

BY: *Dustin Doucet*

\* Well Completion Report is necessary & subsequent plugging report must be filed

RECEIVED  
MAR 28 2007  
DIV. OF OIL, GAS & MINING

# PETRO HUNT L. L. C.

ACTUAL WELL SCHEMATIC / PROPOSED P&A

QIV

COMPANY NAME	PETRO HUNT L. L. C.	DATE	3/26/2007 REVISED
WELL NAME	VONDA H. CHRISTENSEN FAMILY LP 35A-3-1	TD:	14,601 RKB
FIELD	WILDCAT	PROSPECT:	AXHANDLE
STATE:	UTAH	COUNTY:	SANPETE
LOCATION	SECTION 35, T 16S, R 2E	WATER DEPTH:	N/A
OBJECTIVE ZONE(S)	JURASSIC LOWER TWIN CREEK AND JURASSIC NAVAJO		

GEOLOGICAL		MECHANICAL		
LOGS / SURVEYS	DEPTH	HOLE SIZE	CASING SIZE	MUD TYPE / MUD WEIGHT
CUT ALL CASING 5' BELOW GROUND LEVEL WELD 1/2" STEEL PLATE ACROSS STUB WITH WELL NAME / PERMIT NUMBER.				
SPOT SURFACE CEMENT PLUG 5 - 205' 144 SX, 15.8 PPG, 1.15 YLD - CLASS G MUST VISUALLY INSPECT PLUG			30" @ 119' RKB 30" 234#/FT X-52 Conductor Pipe	
SPOT CEMENT PLUG 822 - 1,222' 288 SX, 15.8 PPG, 1.15 YLD - CLASS G PRESSURE TEST PLUG WITH 500 PSI		26" HOLE	20" @ 1,022' RKB 94# J55 BTC CEMENTED TO SURFACE	8.4 PPG Brine
			ESTIMATED F. G. 12.1 PPG	
SPOT CEMENT PLUG 6,140 - 6,540' 298 SX, 15.8 PPG, 1.24 YLD - CLASS G + 15% SALT MUST TAG THIS PLUG		17 1/2" HOLE	13 3/8" @ 6,340' RKB 68# K55 & 72# HCP110 BTC CEMENTED TO SURFACE	10.6 PPG Brine
			SHOE TEST 12.0 PPG	
SPOT CEMENT PLUG 10,000 - 10,400' 330 SX, 15.8 PPG, 1.24 YLD - CLASS G + 15% SALT NO HYDROCARBONS IN OPEN HOLE				
REC'D VERBAL APPROVAL TO P & A FROM D. DOUCET @ 1530 HR 3-26-07.				
TOTAL DEPTH 14,601' RKB		12 1/4" HOLE		10.4 PPG Salt Saturated

**PETRO HUNT L. L. C.**  
**PROPOSED PLUG & ABANDONMENT PROCEDURE**  
**VONDA H. CHRISTENSEN FAMILY LP 35A-3-1**  
WILDCAT  
SANPETE COUNTY, UT  
3-26-07  
civ

1. TRIP IN HOLE WITH 5" DRILL PIPE TO 10,400', REMOVING DRILL PIPE RUBBERS. SPOT 330 SX (409 CF, 15,8 PPG, 1.24 YLD, CLASS G + 15% SALT) CEMENT PLUG FROM 10,000 – 10,400'. PULL OUT OF HOLE TO 6,540', LAYING DOWN EXCESS DRILLPIPE.
2. SPOT 298 SX (370 CF, 15.8 PPG, 1.24 YLD) CEMENT FROM 6,540 – 6,140'. PULL 5 STANDS AND WAIT ON CEMENT 4 HR. TRIP BACK IN THE HOLE AND TAG CEMENT PLUG. PULL OUT OF HOLE TO 1,222', LAYING DOWN DRILL PIPE.
3. SPOT 288 SX CEMENT (332 CF, 15.8 PPG, 1.15 YLD, CLASS G) ACROSS SURFACE CASING SHOE FROM 822 – 1,222'. PULL OUT OF HOLE, LAYING DOWN DRILL PIPE. PRESSURE TEST CEMENT PLUG WITH 500 PSI.
4. TRIP IN HOLE TO 205' AND SET 144 SX CEMENT (166 CF, 15.8 PPG, 1.15 YLD, CLASS G) FOR SURFACE PLUG FROM 5 – 205'. PULL OUT OF HOLE, LAYING DOWN DRILL PIPE. VISUALLY INSPECT THIS CEMENT PLUG. NIPPLE DOWN BOP'S.
5. CHECK FOR PRESSURE ON ALL ANNULLI. CUT AND REMOVE ALL WELLHEAD EQUIPMENT. SEND SAME IN TO FMC FOR STORAGE.
6. CUT ALL STRINGS OF CASING 5' BELOW GROUND LEVEL AND WELD ½" PLATE ACROSS STUB WITH WELL NAME AND PERMIT NUMBER ON IT.
7. RIG DOWN AND RELEASE ALL EQUIPMENT.

4303930033  
351652e

**PETRO-HUNT, L. L. C.**  
**1601 Elm Street, Suite 3400**  
**Dallas, TX 75201**  
**(214) 880-8400**

April 18, 2007

Mr. Dustin Doucet  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

Dear Sir:

Please find attached Form 8 – Well Completion or Recompletion Report and Log for the Vonda H. Christensen Family LP 35A-3-1 well. I have also attached a copy of the directional survey run on this well, a list of the formations encountered and the Actual Temporary Abandonment Schematic. Also enclosed is one set of the electric logs run on this well.

Please contact me at (214) 880-7173 in Dallas with any questions regarding this well.

Sincerely,



Cary J. Vice  
Engineer  
Petro-Hunt, L. L. C.

**RECEIVED**

**APR 19 2007**

**DIV. OF OIL, GAS & MINING**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
PETRO-HUNT, L. L. C.

3. ADDRESS OF OPERATOR: 1601 ELM, STE 3400 CITY DALLAS STATE TX ZIP 75201 PHONE NUMBER: (214) 880-8400

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 1430' FNL & 2200' FEL  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
AT TOTAL DEPTH: 1368' FNL & 2025' FEL

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE 64

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
VHCF 35A-3-1

9. API NUMBER:  
4303930033

10. FIELD AND POOL, OR WILDCAT  
WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NE 1/4 35 16S 2E

12. COUNTY  
SANPETE

13. STATE  
UTAH

14. DATE SPUDDED: 12/9/2006

15. DATE T.D. REACHED: 3/26/2007

16. DATE COMPLETED: ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
GL-5532'; RKB-5563'

18. TOTAL DEPTH: MD 14,611 TVD 14,603

19. PLUG BACK T.D.: MD 0 TVD 0

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
PLATFORM EXPRESS - RUNS 1, 2, 3.  
FORMATION MICRO IMAGER - RUN 2

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
36"	30" X52	234	31	119		G .650	133	31	0
26"	20" J55	94	31	1,022		G 2,640	741	31	0
17.5"	13.375 K55	68 / 72	31	6,345	3,324	G 5,571	1,689	31	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

29. ENCLOSED ATTACHMENTS:  
 ELECTRICAL/MECHANICAL LOGS  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
 GEOLOGIC REPORT  
 CORE ANALYSIS  
 DST REPORT  
 OTHER: FMN LIST, SCHEM

30. WELL STATUS:  
T. A.

**31. INITIAL PRODUCTION**

**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

**34. FORMATION (Log) MARKERS:**

Name	Top (Measured Depth)
SEE ATTACHED LIST	

**35. ADDITIONAL REMARKS (Include plugging procedure)**

SEE ATTACHED TEMPORARY ABANDONMENT SCHEMATIC, PLUGGED AS PER FORM 9 SUNDRY NOTICE 3/28/2007.

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) CARY J. VICE TITLE SR. ENGINEERING CONSULTANT  
 SIGNATURE  DATE 4/18/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801  
 Phone: 801-538-5340  
 Fax: 801-359-3940

Vonda H. Christensen Family LP 35A-3-1  
 NW SW NE 35-16S-2E  
 SL: 1430' FNL, 2200' FEL BHL: 1368' FNL, 2025' FEL  
 GL = 5532' KB = 5563'

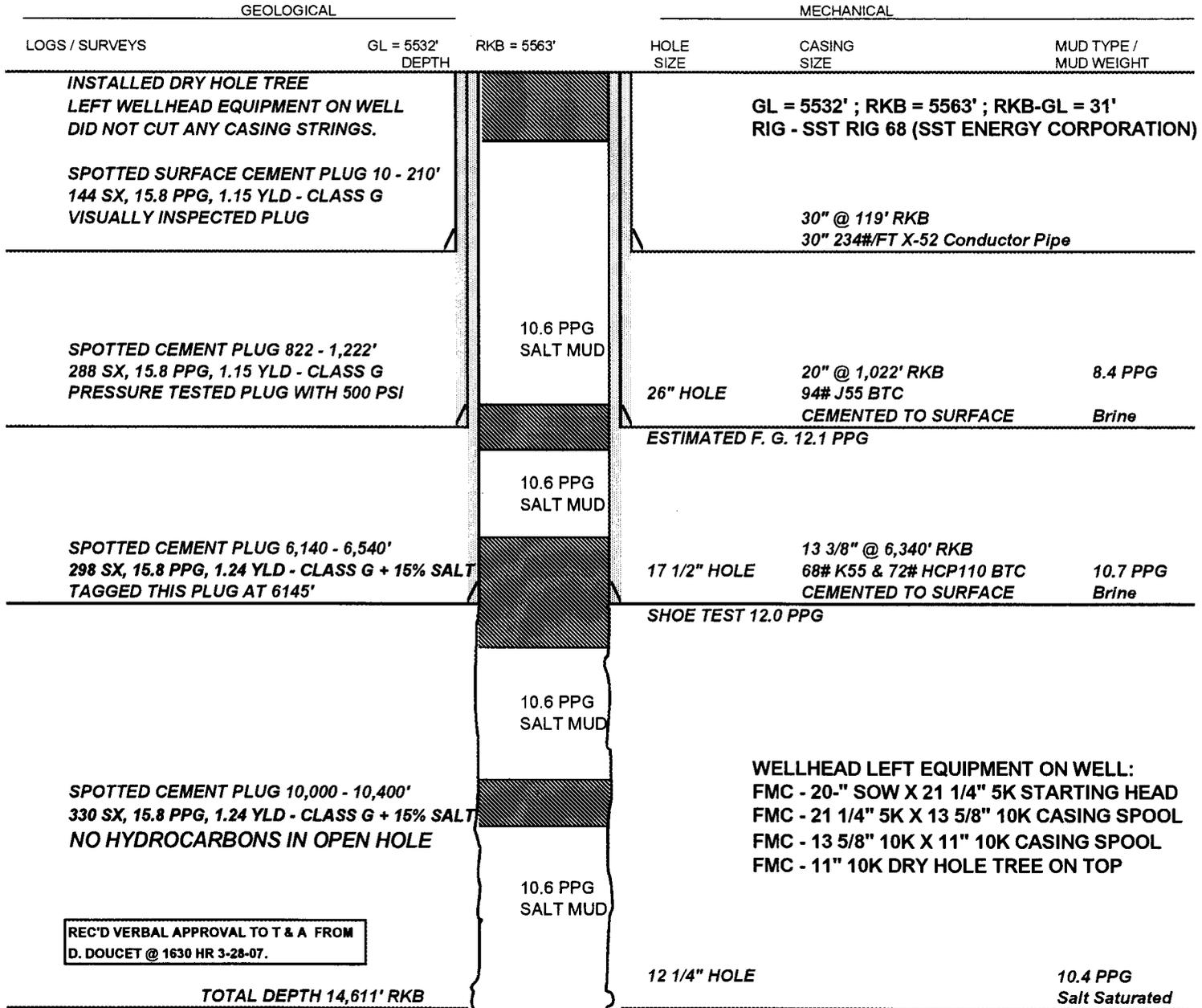
	MD	TVD	DATUM
Quaternary alluvium (surface)	25'	25'	+ 5532'
Green River/Colton (1 <sup>st</sup> samp. at 130')	130'	130'	+ 5433'
Flagstaff/Northhorn	592'	592'	+ 4971'
Twist Gulch	1022'	1022'	+ 4541'
interbedded salt and Twist Gulch	1442'	1440'	+ 4123'
Wales back thrust	6208'	6203'	- 640'
Twist Gulch	6208'	6203'	- 640'
salt	8690'	8684'	- 3121'
Arapien	9711'	9705'	- 4142'
Upper Twin Creek	10010'	10004'	- 4441'
thrust	10660'	10654'	- 5091'
Upper Twin Creek	10660'	10654'	- 5091'
Lower Twin Creek	11394'	11387'	- 5824'
thrust	12256'	12249'	- 6674'
Lower Twin Creek	12256'	12249'	- 6674'
thrust	12632'	12625'	- 7062'
Upper Twin Creek	12632'	12625'	- 7062'
thrust	13058'	13050'	- 7487'
Upper Twin Creek	13058'	13050'	- 7487'
Lower Twin Creek	13496'	13488'	- 7925'
thrust	14246'	14238'	- 8675'
Upper Twin Creek	14246'	14238'	- 8675'
TD	14610'	14602'	- 9039'

# PETRO HUNT L. L. C.

## ACTUAL TEMPORARY ABANDONMENT SCHEMATIC

cjv

COMPANY NAME	<b>PETRO HUNT L. L. C.</b>	DATE	<b>3/29/2007 REVISED</b>
WELL NAME	<b>VONDA H. CHRISTENSEN FAMILY LP 35A-3-1</b>	TD:	<b>14,611 RKB</b>
FIELD	<b>WILDCAT</b>	PROSPECT:	<b>AXHANDLE</b>
LOCATION	<b>SECTION 35, T 16S, R 2E</b>	STATE:	<b>UTAH</b>
OBJECTIVE ZONE(S)	<b>JURASSIC LOWER TWIN CREEK AND JURASSIC NAVAJO</b>	COUNTY:	<b>SANPETE</b>
		WATER DEPTH:	<b>N/A</b>



Petro Hunt Text Survey

Job Number: CA06345  
 \USA

State/Country: UTAH

Company: PETROHUNT

Declination:

Lease/Well: CRISTENSEN 35A-3-1

Grid:

Location:  
 C:\DOCUME~1\MARSHA~1\DESKTOP\PETROH~1\SURVEYS\PHC35A.SVY

File name:

Rig Name: SST 68

Date/Time: 30-Mar-07 /

09:53

RKB:  
 35A-3-1

Curve Name: CRISTENSEN

G.L. or M.S.L.:

Scientific Drilling

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane .00

Vertical Section Referenced to offset from wellhead: EW =.00  
 Ft , NS=.00 Ft

Rectangular Coordinates Referenced to wellhead

Measured Vertical Section Depth FT	Incl Dogleg Angle Severity Deg Deg/100	Drift BUILD Direction RATE Deg Deg/100	True WALK Vertical RATE Depth Deg/100	Course Length FT	N-S FT	E-W FT
.00	.00	.00	.00		.00	.00
1087.00	2.30	78.00	1086.71	1087.00	4.54	21.34
4.54	.21	.21	7.18			
1150.00	3.10	71.00	1149.64	63.00	5.35	24.19
5.35	1.37	1.27	-11.11			
1200.00	3.70	72.90	1199.55	50.00	6.27	27.01
6.27	1.22	1.20	3.80			
1245.00	4.50	68.90	1244.43	45.00	7.33	30.04
7.33	1.89	1.78	-8.89			
1275.00	5.50	64.10	1274.32	30.00	8.38	32.43
8.38	3.61	3.33	-16.00			
1309.00	5.70	68.50	1308.16	34.00	9.71	35.47
9.71	1.39	.59	12.94			
1340.00	6.00	66.80	1339.00	31.00	10.91	38.39
10.91	1.12	.97	-5.48			
1355.00	5.70	66.40	1353.92	15.00	11.52	39.79
11.52	2.02	-2.00	-2.67			

Petro Hunt Text Survey						
1365.00	6.00	65.90	1363.87	10.00	11.93	40.73
11.93	3.04	3.00	-5.00			
1380.00	5.80	66.20	1378.79	15.00	12.56	42.13
12.56	1.35	-1.33	2.00			
1395.00	5.70	65.90	1393.71	15.00	13.17	43.51
13.17	.70	-.67	-2.00			
1410.00	5.70	65.40	1408.64	15.00	13.78	44.86
13.78	.33	.00	-3.33			
1425.00	6.20	62.00	1423.56	15.00	14.47	46.26
14.47	4.08	3.33	-22.67			
1440.00	5.90	65.20	1438.47	15.00	15.18	47.67
15.18	3.01	-2.00	21.33			
1470.00	6.20	61.00	1468.31	30.00	16.61	50.49
16.61	1.78	1.00	-14.00			
1480.00	6.30	62.00	1478.25	10.00	17.13	51.45
17.13	1.48	1.00	10.00			
1500.00	5.90	65.20	1498.13	20.00	18.08	53.35
18.08	2.62	-2.00	16.00			
1520.00	5.90	65.40	1518.03	20.00	18.94	55.22
18.94	.10	.00	1.00			
1540.00	5.90	64.70	1537.92	20.00	19.80	57.08
19.80	.36	.00	-3.50			
1560.00	5.80	65.20	1557.82	20.00	20.67	58.93
20.67	.56	-.50	2.50			
1580.00	5.70	65.70	1577.72	20.00	21.50	60.75
21.50	.56	-.50	2.50			
1600.00	5.60	65.50	1597.62	20.00	22.31	62.54
22.31	.51	-.50	-1.00			
1620.00	5.70	64.50	1617.52	20.00	23.14	64.33
23.14	.70	.50	-5.00			
1640.00	5.80	64.30	1637.42	20.00	24.01	66.13
24.01	.51	.50	-1.00			

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Measured Vertical Depth Section FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
1660.00	5.80	63.80	1657.32	20.00	24.89	67.95
24.89	.25	.00	-2.50			
1665.00	5.60	60.80	1662.29	5.00	25.12	68.39
25.12	7.18	-4.00	-60.00			
1683.00	5.50	54.60	1680.21	18.00	26.05	69.86
26.05	3.38	-.56	-34.44			
1708.00	5.30	60.10	1705.10	25.00	27.32	71.84
27.32	2.22	-.80	22.00			
1740.00	4.80	62.00	1736.97	32.00	28.69	74.30
28.69	1.65	-1.56	5.94			
1770.00	4.30	63.40	1766.88	30.00	29.78	76.41
29.78	1.71	-1.67	4.67			
1800.00	4.00	67.00	1796.80	30.00	30.69	78.38
30.69	1.32	-1.00	12.00			
1830.00	4.10	66.80	1826.73	30.00	31.52	80.33
31.52	.34	.33	-.67			
1860.00	3.90	61.50	1856.65	30.00	32.43	82.22
32.43	1.40	-.67	-17.67			
1890.00	3.40	54.50	1886.59	30.00	33.44	83.84
33.44	2.23	-1.67	-23.33			
1920.00	3.30	53.90	1916.54	30.00	34.46	85.26
34.46	.35	-.33	-2.00			
1950.00	2.80	49.70	1946.50	30.00	35.44	86.51
35.44	1.82	-1.67	-14.00			
1985.00	3.20	56.40	1981.45	35.00	36.54	87.98
36.54	1.52	1.14	19.14			
2018.00	2.80	57.10	2014.41	33.00	37.49	89.42
37.49	1.22	-1.21	2.12			
2048.00	3.20	53.10	2044.36	30.00	38.39	90.71
38.39	1.50	1.33	-13.33			
2079.00	2.40	55.00	2075.33	31.00	39.28	91.93
39.28	2.60	-2.58	6.13			
2094.00	2.90	40.80	2090.31	15.00	39.75	92.44
39.75	5.48	3.33	-94.67			
2124.00	2.90	47.30	2120.27	30.00	40.84	93.49
40.84	1.10	.00	21.67			
2154.00	2.10	42.00	2150.24	30.00	41.76	94.42
41.76	2.77	-2.67	-17.67			
2174.00	2.00	48.80	2170.23	20.00	42.26	94.92
42.26	1.31	-.50	34.00			
2205.00	2.20	48.00	2201.21	31.00	43.01	95.77
43.01	.65	.65	-2.58			
2235.00	2.20	37.40	2231.19	30.00	43.86	96.55
43.86	1.35	.00	-35.33			
2268.00	1.40	18.10	2264.17	33.00	44.74	97.06
44.74	3.01	-2.42	-58.48			
2298.00	1.50	25.60	2294.16	30.00	45.45	97.34
45.45	.71	.33	25.00			
2330.00	2.00	8.80	2326.15	32.00	46.38	97.61
46.38	2.22	1.56	-52.50			

Petro Hunt Text Survey						
2362.00	1.50	24.10	2358.13	32.00	47.31	97.87
47.31	2.13	-1.56	47.81			
2392.00	2.10	.30	2388.12	30.00	48.22	98.03
48.22	3.15	2.00	-79.33			
2423.00	1.90	22.50	2419.10	31.00	49.26	98.23
49.26	2.56	-.65	71.61			
2454.00	1.50	5.60	2450.09	31.00	50.14	98.47
50.14	2.06	-1.29	-54.52			
2485.00	1.80	354.40	2481.07	31.00	51.03	98.46
51.03	1.42	.97	-36.13			
2515.00	2.50	358.90	2511.05	30.00	52.15	98.40
52.15	2.40	2.33	15.00			
2549.00	1.80	.20	2545.03	34.00	53.43	98.39
53.43	2.06	-2.06	3.82			
2580.00	2.40	2.80	2576.01	31.00	54.56	98.42
54.56	1.96	1.94	8.39			
2611.00	2.00	358.70	2606.98	31.00	55.75	98.44
55.75	1.39	-1.29	-13.23			
2642.00	2.20	338.50	2637.96	31.00	56.85	98.21
56.85	2.46	.65	-65.16			
2673.00	2.60	340.50	2668.94	31.00	58.06	97.76
58.06	1.32	1.29	6.45			
2704.00	2.50	340.80	2699.91	31.00	59.36	97.30
59.36	.33	-.32	.97			
2735.00	1.70	335.00	2730.89	31.00	60.42	96.88
60.42	2.67	-2.58	-18.71			
2766.00	1.90	325.90	2761.87	31.00	61.26	96.40
61.26	1.12	.65	-29.35			
2791.00	2.20	339.90	2786.85	25.00	62.05	96.00
62.05	2.33	1.20	56.00			
2816.00	2.00	321.70	2811.84	25.00	62.85	95.57
62.85	2.77	-.80	-72.80			
2828.00	1.70	333.40	2823.83	12.00	63.17	95.36
63.17	4.01	-2.50	97.50			

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Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
2868.00	1.60	327.80	2863.81	40.00	64.17	94.80
64.17	.47	-.25	-14.00			
2893.00	1.70	326.10	2888.80	25.00	64.78	94.40
64.78	.45	.40	-6.80			
2919.00	1.70	337.80	2914.79	26.00	65.45	94.04
65.45	1.33	.00	45.00			
2944.00	1.50	325.70	2939.78	25.00	66.07	93.72
66.07	1.57	-.80	-48.40			
2971.00	1.50	329.40	2966.77	27.00	66.66	93.34
66.66	.36	.00	13.70			
2998.00	1.50	332.60	2993.76	27.00	67.28	93.00
67.28	.31	.00	11.85			
3024.00	1.40	323.10	3019.76	26.00	67.84	92.65
67.84	1.00	-.38	-36.54			
3051.00	1.20	316.60	3046.75	27.00	68.31	92.26
68.31	.92	-.74	-24.07			
3076.00	1.40	316.20	3071.74	25.00	68.72	91.87
68.72	.80	.80	-1.60			
3101.00	1.10	314.60	3096.74	25.00	69.11	91.48
69.11	1.21	-1.20	-6.40			
3126.00	1.30	321.50	3121.73	25.00	69.50	91.14
69.50	.99	.80	27.60			
3146.00	1.20	310.60	3141.73	20.00	69.81	90.84
69.81	1.29	-.50	-54.50			
3166.00	1.20	311.60	3161.72	20.00	70.09	90.52
70.09	.10	.00	5.00			
3196.00	1.20	321.00	3191.72	30.00	70.54	90.09
70.54	.66	.00	31.33			
3236.00	1.10	316.40	3231.71	40.00	71.14	89.56
71.14	.34	-.25	-11.50			
3266.00	1.30	306.20	3261.70	30.00	71.55	89.09
71.55	.97	.67	-34.00			
3296.00	1.40	319.70	3291.69	30.00	72.03	88.57
72.03	1.11	.33	45.00			
3325.00	1.40	310.20	3320.68	29.00	72.53	88.07
72.53	.80	.00	-32.76			
3360.00	1.30	319.70	3355.67	35.00	73.11	87.49
73.11	.70	-.29	27.14			
3390.00	1.20	320.30	3385.67	30.00	73.61	87.07
73.61	.34	-.33	2.00			
3405.00	1.10	327.60	3400.66	15.00	73.85	86.89
73.85	1.18	-.67	48.67			
3425.00	1.10	325.30	3420.66	20.00	74.17	86.68
74.17	.22	.00	-11.50			
3445.00	1.00	325.20	3440.66	20.00	74.47	86.47
74.47	.50	-.50	-.50			
3465.00	1.00	331.90	3460.65	20.00	74.77	86.29
74.77	.58	.00	33.50			
3484.00	.70	341.20	3479.65	19.00	75.03	86.17
75.03	1.73	-1.58	48.95			

Petro Hunt Text Survey

3510.00	.90	344.20	3505.65	26.00	75.38	86.07
75.38	.79	.77	11.54			
3533.00	.80	354.40	3528.65	23.00	75.71	86.00
75.71	.79	-.43	44.35			
3553.00	1.20	10.30	3548.64	20.00	76.05	86.03
76.05	2.42	2.00	79.50			
3577.00	1.10	11.90	3572.64	24.00	76.53	86.12
76.53	.44	-.42	6.67			
3595.00	1.50	11.10	3590.64	18.00	76.93	86.20
76.93	2.22	2.22	-4.44			
3620.00	1.50	10.00	3615.63	25.00	77.57	86.32
77.57	.12	.00	-4.40			
3645.00	1.40	18.40	3640.62	25.00	78.18	86.47
78.18	.94	-.40	33.60			
3673.00	1.40	20.20	3668.61	28.00	78.83	86.70
78.83	.16	.00	6.43			
3705.00	1.30	22.00	3700.60	32.00	79.53	86.97
79.53	.34	-.31	5.62			
3735.00	1.30	30.70	3730.59	30.00	80.14	87.27
80.14	.66	.00	29.00			
3764.00	.90	31.30	3759.59	29.00	80.62	87.56
80.62	1.38	-1.38	2.07			
3815.00	.60	36.70	3810.58	51.00	81.17	87.93
81.17	.60	-.59	10.59			
3845.00	.30	28.60	3840.58	30.00	81.37	88.06
81.37	1.02	-1.00	-27.00			
3875.00	.40	50.80	3870.58	30.00	81.50	88.18
81.50	.56	.33	74.00			
3905.00	.40	72.60	3900.58	30.00	81.60	88.36
81.60	.50	.00	72.67			
3926.00	.50	59.00	3921.58	21.00	81.67	88.51
81.67	.69	.48	-64.76			

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Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt True WALK Vertical RATE Depth Deg/100	Text Survey Course Length FT	N-S FT	E-W FT
3954.00	.60	76.40	3949.58	28.00	81.77	88.75
81.77	.69	.36	62.14			
3988.00	1.20	66.40	3983.58	34.00	81.95	89.25
81.95	1.82	1.76	-29.41			
4021.00	1.60	58.90	4016.57	33.00	82.33	89.96
82.33	1.33	1.21	-22.73			
4053.00	1.90	60.40	4048.55	32.00	82.82	90.81
82.82	.95	.94	4.69			
4079.00	2.30	52.50	4074.53	26.00	83.35	91.60
83.35	1.90	1.54	-30.38			
4109.00	2.40	56.40	4104.51	30.00	84.07	92.60
84.07	.63	.33	13.00			
4140.00	2.70	55.90	4135.48	31.00	84.83	93.74
84.83	.97	.97	-1.61			
4179.00	2.90	60.40	4174.43	39.00	85.84	95.36
85.84	.76	.51	11.54			
4210.00	2.80	63.30	4205.39	31.00	86.56	96.72
86.56	.57	-.32	9.35			
4242.00	2.90	66.20	4237.35	32.00	87.24	98.16
87.24	.55	.31	9.06			
4273.00	2.80	59.60	4268.31	31.00	87.94	99.53
87.94	1.11	-.32	-21.29			
4302.00	2.80	60.30	4297.28	29.00	88.65	100.75
88.65	.12	.00	2.41			
4332.00	2.80	60.10	4327.24	30.00	89.38	102.03
89.38	.03	.00	-.67			
4367.00	2.50	58.90	4362.21	35.00	90.20	103.42
90.20	.87	-.86	-3.43			
4399.00	2.40	62.20	4394.18	32.00	90.87	104.61
90.87	.54	-.31	10.31			
4429.00	2.40	63.80	4424.15	30.00	91.44	105.73
91.44	.22	.00	5.33			
4460.00	2.20	65.00	4455.13	31.00	91.98	106.85
91.98	.66	-.65	3.87			
4490.00	2.10	67.50	4485.10	30.00	92.43	107.88
92.43	.46	-.33	8.33			
4520.00	2.10	69.90	4515.08	30.00	92.83	108.91
92.83	.29	.00	8.00			
4550.00	1.90	73.50	4545.07	30.00	93.16	109.90
93.16	.79	-.67	12.00			
4586.00	1.90	68.00	4581.05	36.00	93.56	111.02
93.56	.51	.00	-15.28			
4616.00	1.70	71.50	4611.03	30.00	93.88	111.91
93.88	.76	-.67	11.67			
4646.00	1.80	67.10	4641.02	30.00	94.21	112.76
94.21	.56	.33	-14.67			
4675.00	1.80	59.20	4670.00	29.00	94.62	113.57
94.62	.85	.00	-27.24			
4705.00	1.80	52.50	4699.99	30.00	95.15	114.35
95.15	.70	.00	-22.33			

Petro Hunt Text Survey

4735.00	1.70	46.60	4729.97	30.00	95.74	115.05
95.74	.69	-.33	-19.67			
4765.00	1.60	46.40	4759.96	30.00	96.33	115.68
96.33	.33	-.33	-.67			
4800.00	1.60	40.90	4794.95	35.00	97.04	116.35
97.04	.44	.00	-15.71			
4833.00	1.40	27.40	4827.94	33.00	97.75	116.84
97.75	1.23	-.61	-40.91			
4863.00	1.40	26.30	4857.93	30.00	98.40	117.17
98.40	.09	.00	-3.67			
4897.00	1.60	18.40	4891.92	34.00	99.22	117.50
99.22	.84	.59	-23.24			
4928.00	1.30	34.30	4922.91	31.00	99.92	117.84
99.92	1.61	-.97	51.29			
4960.00	.80	358.40	4954.90	32.00	100.45	118.03
100.45	2.51	-1.56	-112.19			
4990.00	.70	39.40	4984.90	30.00	100.80	118.15
100.80	1.78	-.33	136.67			
5018.00	.30	188.20	5012.90	28.00	100.86	118.24
100.86	3.46	-1.43	531.43			
5044.00	.30	233.80	5038.90	26.00	100.75	118.18
100.75	.89	.00	175.38			
5073.00	.60	215.70	5067.90	29.00	100.58	118.03
100.58	1.13	1.03	-62.41			
5103.00	.60	186.70	5097.90	30.00	100.30	117.92
100.30	1.00	.00	-96.67			
5133.00	.50	247.50	5127.90	30.00	100.09	117.78
100.09	1.88	-.33	202.67			
5163.00	.40	270.00	5157.89	30.00	100.04	117.55
100.04	.67	-.33	75.00			
5193.00	.50	300.00	5187.89	30.00	100.11	117.34
100.11	.84	.33	100.00			

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Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
5223.00	.20	323.90	5217.89	30.00	100.22	117.19
100.22	1.09	-1.00	79.67			
5253.00	.80	80.00	5247.89	30.00	100.29	117.37
100.29	3.02	2.00	387.00			
5283.00	.40	75.60	5277.89	30.00	100.36	117.67
100.36	1.34	-1.33	-14.67			
5313.00	.50	64.70	5307.89	30.00	100.44	117.89
100.44	.44	.33	-36.33			
5343.00	.60	39.20	5337.89	30.00	100.62	118.11
100.62	.87	.33	-85.00			
5373.00	.20	46.70	5367.89	30.00	100.77	118.25
100.77	1.34	-1.33	25.00			
5403.00	.40	115.10	5397.89	30.00	100.77	118.38
100.77	1.25	.67	228.00			
5433.00	.10	327.80	5427.89	30.00	100.74	118.46
100.74	1.62	-1.00	-491.00			
5463.00	.50	1.00	5457.89	30.00	100.90	118.45
100.90	1.40	1.33	110.67			
5493.00	.70	37.90	5487.88	30.00	101.17	118.57
101.17	1.42	.67	123.00			
5523.00	.10	146.10	5517.88	30.00	101.29	118.69
101.29	2.46	-2.00	360.67			
5553.00	.50	14.90	5547.88	30.00	101.40	118.74
101.40	1.90	1.33	-437.33			
5584.00	.30	288.30	5578.88	31.00	101.56	118.70
101.56	1.83	-.65	-279.35			
5618.00	1.10	317.10	5612.88	34.00	101.82	118.39
101.82	2.50	2.35	84.71			
5653.00	.60	282.50	5647.88	35.00	102.11	117.99
102.11	1.99	-1.43	-98.86			
5685.00	1.20	273.50	5679.87	32.00	102.17	117.49
102.17	1.92	1.88	-28.13			
5717.00	.40	279.30	5711.87	32.00	102.20	117.04
102.20	2.51	-2.50	18.12			
5747.00	.30	308.80	5741.87	30.00	102.27	116.88
102.27	.68	-.33	98.33			
5779.00	.30	121.60	5773.87	32.00	102.28	116.88
102.28	1.87	.00	540.00			
5810.00	1.20	148.70	5804.87	31.00	101.96	117.12
101.96	3.04	2.90	87.42			
5839.00	1.40	127.10	5833.86	29.00	101.49	117.56
101.49	1.81	.69	-74.48			
5873.00	1.60	120.90	5867.85	34.00	100.99	118.30
100.99	.76	.59	-18.24			
5907.00	1.40	81.50	5901.84	34.00	100.81	119.12
100.81	3.03	-.59	-115.88			
5938.00	1.30	88.60	5932.83	31.00	100.87	119.85
100.87	.63	-.32	22.90			
5970.00	.50	62.70	5964.82	32.00	100.95	120.33
100.95	2.74	-2.50	-80.94			

Petro Hunt Text Survey

6002.00	.40	334.30	5996.82	32.00	101.11	120.41
101.11	1.97	-.31	-276.25			
6033.00	1.10	329.60	6027.82	31.00	101.47	120.21
101.47	2.26	2.26	-15.16			
6064.00	1.60	320.40	6058.81	31.00	102.06	119.78
102.06	1.75	1.61	-29.68			
6095.00	1.90	297.20	6089.80	31.00	102.62	119.05
102.62	2.46	.97	-74.84			
6125.00	2.40	290.40	6119.78	30.00	103.07	118.02
103.07	1.87	1.67	-22.67			
6158.00	2.80	277.50	6152.74	33.00	103.42	116.57
103.42	2.14	1.21	-39.09			
6190.00	3.10	266.60	6184.70	32.00	103.47	114.93
103.47	1.98	.94	-34.06			
6221.00	3.30	251.00	6215.65	31.00	103.13	113.25
103.13	2.87	.65	-50.32			
6253.00	2.90	236.90	6247.61	32.00	102.38	111.70
102.38	2.68	-1.25	-44.06			
6413.00	1.90	229.70	6407.46	160.00	98.46	106.29
98.46	.65	-.63	-4.50			
6444.00	2.10	232.70	6438.44	31.00	97.78	105.45
97.78	.73	.65	9.68			
6476.00	2.10	230.80	6470.42	32.00	97.06	104.53
97.06	.22	.00	-5.94			
6507.00	2.10	238.00	6501.40	31.00	96.40	103.60
96.40	.85	.00	23.23			
6539.00	1.90	238.90	6533.38	32.00	95.81	102.65
95.81	.63	-.63	2.81			
6570.00	1.50	224.60	6564.37	31.00	95.26	101.93
95.26	1.87	-1.29	-46.13			
6602.00	1.10	207.40	6596.36	32.00	94.69	101.49
94.69	1.73	-1.25	-53.75			

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Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt True WALK Vertical RATE Depth Deg/100	Text Survey Course Length FT	N-S FT	E-W FT
6634.00	1.10	193.50	6628.35	32.00	94.11	101.28
94.11	.83	.00	-43.44			
6665.00	1.10	183.70	6659.35	31.00	93.53	101.19
93.53	.61	.00	-31.61			
6696.00	1.10	173.70	6690.34	31.00	92.94	101.20
92.94	.62	.00	-32.26			
6727.00	1.10	163.10	6721.34	31.00	92.36	101.32
92.36	.66	.00	-34.19			
6758.00	1.20	156.60	6752.33	31.00	91.77	101.54
91.77	.53	.32	-20.97			
6789.00	1.50	160.30	6783.32	31.00	91.09	101.80
91.09	1.01	.97	11.94			
6820.00	1.40	155.90	6814.31	31.00	90.37	102.10
90.37	.48	-.32	-14.19			
6852.00	1.20	149.60	6846.30	32.00	89.72	102.43
89.72	.77	-.62	-19.69			
6883.00	1.30	152.00	6877.30	31.00	89.13	102.75
89.13	.36	.32	7.74			
6914.00	1.10	143.80	6908.29	31.00	88.58	103.10
88.58	.85	-.65	-26.45			
6944.00	.90	140.80	6938.29	30.00	88.16	103.41
88.16	.69	-.67	-10.00			
6976.00	.60	120.40	6970.28	32.00	87.88	103.72
87.88	1.24	-.94	-63.75			
7008.00	.60	109.00	7002.28	32.00	87.74	104.02
87.74	.37	.00	-35.62			
7038.00	.40	75.40	7032.28	30.00	87.72	104.27
87.72	1.16	-.67	-112.00			
7069.00	.10	253.60	7063.28	31.00	87.74	104.35
87.74	1.61	-.97	574.84			
7100.00	.20	251.00	7094.28	31.00	87.71	104.27
87.71	.32	.32	-8.39			
7131.00	.30	241.50	7125.28	31.00	87.66	104.15
87.66	.35	.32	-30.65			
7161.00	.30	16.70	7155.28	30.00	87.70	104.10
87.70	1.85	.00	450.67			
7193.00	.40	201.40	7187.28	32.00	87.67	104.09
87.67	2.19	.31	-547.81			
7225.00	.40	220.10	7219.28	32.00	87.48	103.97
87.48	.41	.00	58.44			
7257.00	.40	187.50	7251.28	32.00	87.29	103.89
87.29	.70	.00	-101.88			
7290.00	.30	165.20	7284.28	33.00	87.09	103.89
87.09	.51	-.30	-67.58			
7322.00	.50	242.60	7316.28	32.00	86.94	103.79
86.94	1.64	.63	241.88			
7354.00	.40	284.20	7348.28	32.00	86.91	103.56
86.91	1.04	-.31	130.00			
7386.00	.30	301.10	7380.28	32.00	86.98	103.38
86.98	.45	-.31	52.81			

Petro Hunt Text Survey

7417.00	.30	170.80	7411.28	31.00	86.94	103.32
86.94	1.76	.00	-420.32			
7448.00	.20	287.00	7442.27	31.00	86.87	103.28
86.87	1.38	-.32	374.84			
7480.00	.10	279.10	7474.27	32.00	86.90	103.20
86.90	.32	-.31	-24.69			
7511.00	.10	75.90	7505.27	31.00	86.91	103.20
86.91	.63	.00	505.81			
7543.00	.40	206.70	7537.27	32.00	86.81	103.18
86.81	1.47	.94	408.75			
7574.00	.40	130.40	7568.27	31.00	86.65	103.21
86.65	1.59	.00	-246.13			
7606.00	.30	181.00	7600.27	32.00	86.49	103.30
86.49	.98	-.31	158.13			
7638.00	.70	115.80	7632.27	32.00	86.32	103.47
86.32	1.99	1.25	-203.75			
7670.00	.60	161.00	7664.27	32.00	86.08	103.70
86.08	1.59	-.31	141.25			
7702.00	1.00	145.30	7696.27	32.00	85.69	103.92
85.69	1.41	1.25	-49.06			
7732.00	.90	146.10	7726.26	30.00	85.28	104.20
85.28	.34	-.33	2.67			
7763.00	1.30	131.60	7757.26	31.00	84.84	104.60
84.84	1.56	1.29	-46.77			
7794.00	1.20	117.60	7788.25	31.00	84.46	105.15
84.46	1.03	-.32	-45.16			
7826.00	1.10	132.20	7820.24	32.00	84.10	105.67
84.10	.96	-.31	45.62			
7856.00	.80	119.20	7850.24	30.00	83.80	106.07
83.80	1.23	-1.00	-43.33			
7888.00	1.20	119.20	7882.23	32.00	83.53	106.55
83.53	1.25	1.25	.00			

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Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Drift BUILD Direction RATE Deg Deg/100	Petro Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
7919.00	1.20	101.80	7913.23	31.00	83.31	107.16
83.31	1.17	.00	-56.13			
7950.00	1.10	101.60	7944.22	31.00	83.18	107.76
83.18	.32	-.32	-.65			
7981.00	1.00	111.40	7975.22	31.00	83.02	108.31
83.02	.66	-.32	31.61			
8012.00	.90	96.50	8006.21	31.00	82.89	108.80
82.89	.86	-.32	-48.06			
8044.00	.50	114.80	8038.21	32.00	82.81	109.18
82.81	1.42	-1.25	57.19			
8074.00	.50	112.00	8068.21	30.00	82.70	109.42
82.70	.08	.00	-9.33			
8105.00	.90	122.00	8099.21	31.00	82.52	109.75
82.52	1.34	1.29	32.26			
8136.00	.70	102.10	8130.20	31.00	82.35	110.14
82.35	1.10	-.65	-64.19			
8167.00	.90	103.90	8161.20	31.00	82.26	110.56
82.26	.65	.65	5.81			
8197.00	1.40	101.20	8191.19	30.00	82.13	111.15
82.13	1.68	1.67	-9.00			
8229.00	1.40	103.20	8223.18	32.00	81.96	111.92
81.96	.15	.00	6.25			
8261.00	1.40	113.70	8255.18	32.00	81.72	112.65
81.72	.80	.00	32.81			
8293.00	1.10	102.30	8287.17	32.00	81.49	113.31
81.49	1.21	-.94	-35.62			
8325.00	1.10	112.50	8319.16	32.00	81.31	113.90
81.31	.61	.00	31.87			
8356.00	.80	96.70	8350.16	31.00	81.17	114.39
81.17	1.28	-.97	-50.97			
8387.00	1.10	104.20	8381.15	31.00	81.07	114.89
81.07	1.05	.97	24.19			
8419.00	1.10	122.10	8413.15	32.00	80.84	115.45
80.84	1.07	.00	55.94			
8450.00	1.10	117.00	8444.14	31.00	80.54	115.96
80.54	.32	.00	-16.45			
8482.00	1.10	137.10	8476.14	32.00	80.18	116.45
80.18	1.20	.00	62.81			
8513.00	1.10	123.40	8507.13	31.00	79.80	116.90
79.80	.85	.00	-44.19			
8545.00	1.10	142.40	8539.12	32.00	79.38	117.34
79.38	1.13	.00	59.37			
8577.00	1.20	134.50	8571.12	32.00	78.91	117.77
78.91	.59	.31	-24.69			
8609.00	1.10	119.20	8603.11	32.00	78.52	118.28
78.52	1.01	-.31	-47.81			
8641.00	1.60	126.70	8635.10	32.00	78.10	118.90
78.10	1.65	1.56	23.44			
8671.00	1.70	127.10	8665.09	30.00	77.59	119.59
77.59	.34	.33	1.33			

Petro Hunt Text Survey

8702.00	1.60	125.00	8696.08	31.00	77.06	120.31
77.06	.38	-.32	-6.77			
8733.00	1.10	127.80	8727.07	31.00	76.63	120.90
76.63	1.63	-1.61	9.03			
8765.00	1.60	130.90	8759.06	32.00	76.15	121.48
76.15	1.58	1.56	9.69			
8795.00	1.40	132.20	8789.05	30.00	75.63	122.07
75.63	.68	-.67	4.33			
8827.00	1.80	125.00	8821.04	32.00	75.08	122.77
75.08	1.40	1.25	-22.50			
8858.00	2.00	137.60	8852.02	31.00	74.40	123.54
74.40	1.49	.65	40.65			
8889.00	1.70	149.20	8883.00	31.00	73.60	124.14
73.60	1.54	-.97	37.42			
8920.00	1.10	166.10	8913.99	31.00	72.92	124.44
72.92	2.33	-1.94	54.52			
8951.00	.90	180.00	8944.99	31.00	72.39	124.52
72.39	1.01	-.65	44.84			
8983.00	1.10	226.40	8976.99	32.00	71.92	124.29
71.92	2.53	.63	145.00			
9013.00	.80	241.30	9006.98	30.00	71.63	123.90
71.63	1.29	-1.00	49.67			
9044.00	.90	278.80	9037.98	31.00	71.56	123.47
71.56	1.79	.32	120.97			
9075.00	.90	290.70	9068.97	31.00	71.68	123.00
71.68	.60	.00	38.39			
9106.00	.90	286.90	9099.97	31.00	71.84	122.54
71.84	.19	.00	-12.26			
9136.00	.70	311.50	9129.97	30.00	72.03	122.18
72.03	1.31	-.67	82.00			
9168.00	.90	318.80	9161.96	32.00	72.35	121.87
72.35	.70	.63	22.81			

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Measured Vertical Depth Section FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
9200.00	.60	300.60	9193.96	32.00	72.62	121.56
72.62	1.19	-.94	-56.87			
9232.00	.60	347.80	9225.96	32.00	72.87	121.38
72.87	1.50	.00	147.50			
9264.00	.30	20.70	9257.96	32.00	73.11	121.37
73.11	1.20	-.94	102.81			
9295.00	.10	338.40	9288.96	31.00	73.21	121.39
73.21	.76	-.65	-136.45			
9327.00	.60	335.70	9320.96	32.00	73.39	121.31
73.39	1.56	1.56	-8.44			
9358.00	.60	348.90	9351.96	31.00	73.70	121.21
73.70	.44	.00	42.58			
9390.00	.40	25.60	9383.96	32.00	73.97	121.23
73.97	1.15	-.62	114.69			
9421.00	.20	312.90	9414.96	31.00	74.10	121.24
74.10	1.26	-.65	-234.52			
9451.00	.70	355.90	9444.95	30.00	74.32	121.18
74.32	1.90	1.67	143.33			
9483.00	.40	36.20	9476.95	32.00	74.60	121.24
74.60	1.48	-.94	125.94			
9515.00	.40	39.40	9508.95	32.00	74.78	121.37
74.78	.07	.00	10.00			
9545.00	.80	1.60	9538.95	30.00	75.07	121.45
75.07	1.81	1.33	-126.00			
9577.00	.70	40.60	9570.95	32.00	75.44	121.58
75.44	1.59	-.31	121.87			
9608.00	.70	47.80	9601.95	31.00	75.71	121.84
75.71	.28	.00	23.23			
9638.00	.70	48.10	9631.94	30.00	75.96	122.11
75.96	.01	.00	1.00			
9669.00	1.10	44.80	9662.94	31.00	76.30	122.47
76.30	1.30	1.29	-10.65			
9699.00	1.00	46.60	9692.93	30.00	76.68	122.86
76.68	.35	-.33	6.00			
9731.00	1.10	59.00	9724.93	32.00	77.03	123.32
77.03	.77	.31	38.75			
9763.00	1.50	79.40	9756.92	32.00	77.27	124.00
77.27	1.89	1.25	63.75			
9794.00	1.50	85.20	9787.91	31.00	77.37	124.80
77.37	.49	.00	18.71			
9826.00	1.80	94.00	9819.90	32.00	77.37	125.72
77.37	1.22	.94	27.50			
9856.00	1.70	108.40	9849.88	30.00	77.20	126.61
77.20	1.50	-.33	48.00			
9888.00	1.80	107.00	9881.87	32.00	76.90	127.54
76.90	.34	.31	-4.37			
9919.00	1.80	120.20	9912.85	31.00	76.52	128.43
76.52	1.33	.00	42.58			
9949.00	2.00	135.50	9942.84	30.00	75.91	129.21
75.91	1.81	.67	51.00			

Petro Hunt Text Survey

9981.00	1.90	145.30	9974.82	32.00	75.07	129.90
75.07	1.09	-.31	30.63			
10012.00	1.50	171.00	10005.81	31.00	74.25	130.25
74.25	2.74	-1.29	82.90			
10042.00	1.50	166.60	10035.80	30.00	73.48	130.41
73.48	.38	.00	-14.67			
10074.00	1.10	164.90	10067.79	32.00	72.77	130.58
72.77	1.26	-1.25	-5.31			
10106.00	1.50	133.90	10099.78	32.00	72.19	130.97
72.19	2.48	1.25	-96.88			
10137.00	1.80	126.90	10130.77	31.00	71.61	131.65
71.61	1.16	.97	-22.58			
10169.00	1.60	122.10	10162.75	32.00	71.07	132.43
71.07	.77	-.62	-15.00			
10200.00	.90	127.10	10193.74	31.00	70.70	132.99
70.70	2.28	-2.26	16.13			
10231.00	.30	201.10	10224.74	31.00	70.48	133.15
70.48	2.80	-1.94	238.71			
10263.00	.90	185.40	10256.74	32.00	70.15	133.10
70.15	1.93	1.88	-49.06			
10295.00	.60	242.90	10288.74	32.00	69.82	132.93
69.82	2.40	-.94	179.69			
10326.00	.80	168.90	10319.74	31.00	69.53	132.82
69.53	2.77	.65	-238.71			
10358.00	.40	153.60	10351.74	32.00	69.21	132.92
69.21	1.34	-1.25	-47.81			
10390.00	.70	126.90	10383.73	32.00	69.00	133.12
69.00	1.21	.94	-83.44			
10422.00	.90	141.00	10415.73	32.00	68.68	133.44
68.68	.87	.63	44.06			
10453.00	1.20	119.50	10446.73	31.00	68.34	133.87
68.34	1.58	.97	-69.35			

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Measured Vertical Depth Section FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
10485.00	1.90	125.00	10478.71	32.00	67.87	134.60
67.87	2.23	2.19	17.19			
10517.00	1.50	140.40	10510.70	32.00	67.24	135.30
67.24	1.89	-1.25	48.12			
10548.00	1.50	144.80	10541.69	31.00	66.60	135.79
66.60	.37	.00	14.19			
10579.00	1.50	154.50	10572.68	31.00	65.90	136.20
65.90	.82	.00	31.29			
10611.00	1.40	195.40	10604.67	32.00	65.14	136.28
65.14	3.18	-.31	127.81			
10642.00	1.80	211.30	10635.66	31.00	64.36	135.93
64.36	1.92	1.29	51.29			
10652.00	1.80	203.40	10645.65	10.00	64.08	135.78
64.08	2.48	.00	-79.00			
10683.00	1.50	212.70	10676.64	31.00	63.29	135.37
63.29	1.29	-.97	30.00			
10714.00	1.10	276.00	10707.63	31.00	62.98	134.85
62.98	4.54	-1.29	204.19			
10746.00	.90	326.20	10739.63	32.00	63.23	134.41
63.23	2.71	-.63	156.88			
10776.00	1.10	1.00	10769.62	30.00	63.71	134.28
63.71	2.09	.67	116.00			
10806.00	1.10	357.30	10799.62	30.00	64.28	134.27
64.28	.24	.00	-12.33			
10838.00	.80	68.00	10831.61	32.00	64.68	134.47
64.68	3.52	-.94	220.94			
10869.00	1.70	89.30	10862.61	31.00	64.76	135.13
64.76	3.22	2.90	68.71			
10900.00	2.30	102.50	10893.59	31.00	64.63	136.19
64.63	2.43	1.94	42.58			
10932.00	2.50	118.80	10925.56	32.00	64.16	137.43
64.16	2.21	.63	50.94			
10964.00	3.20	136.70	10957.52	32.00	63.17	138.66
63.17	3.51	2.19	55.94			
10994.00	2.70	139.20	10987.48	30.00	62.03	139.69
62.03	1.72	-1.67	8.33			
11026.00	2.60	52.50	11019.46	32.00	61.90	140.76
61.90	11.37	-.31	-270.94			
11056.00	3.40	21.80	11049.42	30.00	63.14	141.63
63.14	5.88	2.67	-102.33			
11086.00	3.70	30.70	11079.36	30.00	64.80	142.46
64.80	2.09	1.00	29.67			
11118.00	3.30	58.30	11111.30	32.00	66.17	143.77
66.17	5.35	-1.25	86.25			
11150.00	2.20	88.90	11143.27	32.00	66.66	145.16
66.66	5.62	-3.44	95.63			
11182.00	1.20	114.90	11175.25	32.00	66.54	146.08
66.54	3.87	-3.13	81.25			
11214.00	1.00	137.60	11207.25	32.00	66.19	146.57
66.19	1.49	-.62	70.94			

Petro Hunt Text Survey

11246.00	1.10	126.50	11239.24	32.00	65.80	147.01
65.80	.71	.31	-34.69			
11276.00	1.30	139.70	11269.24	30.00	65.37	147.46
65.37	1.13	.67	44.00			
11306.00	1.30	110.70	11299.23	30.00	64.99	148.00
64.99	2.17	.00	-96.67			
11337.00	2.20	66.80	11330.22	31.00	65.10	148.88
65.10	5.01	2.90	-141.61			
11368.00	3.50	48.10	11361.18	31.00	65.97	150.13
65.97	5.10	4.19	-60.32			
11398.00	4.00	58.50	11391.11	30.00	67.12	151.70
67.12	2.81	1.67	34.67			
11429.00	3.00	70.30	11422.06	31.00	67.96	153.39
67.96	3.96	-3.23	38.06			
11459.00	1.70	86.10	11452.03	30.00	68.26	154.57
68.26	4.80	-4.33	52.67			
11489.00	1.20	98.80	11482.02	30.00	68.24	155.32
68.24	1.97	-1.67	42.33			
11521.00	1.50	106.90	11514.01	32.00	68.07	156.06
68.07	1.11	.94	25.31			
11550.00	1.90	119.70	11543.00	29.00	67.72	156.84
67.72	1.89	1.38	44.14			
11581.00	1.20	157.80	11573.99	31.00	67.16	157.41
67.16	3.90	-2.26	122.90			
11612.00	.40	136.00	11604.98	31.00	66.78	157.60
66.78	2.72	-2.58	-70.32			
11643.00	.10	33.40	11635.98	31.00	66.73	157.69
66.73	1.40	-.97	-330.97			
11674.00	1.10	93.70	11666.98	31.00	66.73	158.01
66.73	3.40	3.23	194.52			
11706.00	1.50	110.90	11698.97	32.00	66.56	158.70
66.56	1.73	1.25	53.75			

PAGE - 9

Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
11737.00	.70	145.20	11729.97	31.00	66.26	159.19
66.26	3.23	-2.58	110.65			
11768.00	.60	92.60	11760.97	31.00	66.10	159.46
66.10	1.88	-.32	-169.68			
11800.00	.70	72.90	11792.96	32.00	66.15	159.82
66.15	.76	.31	-61.56			
11831.00	1.40	106.10	11823.96	31.00	66.10	160.36
66.10	2.90	2.26	107.10			
11862.00	1.50	113.70	11854.95	31.00	65.83	161.10
65.83	.70	.32	24.52			
11892.00	1.00	141.80	11884.94	30.00	65.47	161.62
65.47	2.59	-1.67	93.67			
11924.00	.40	172.90	11916.94	32.00	65.14	161.80
65.14	2.15	-1.88	97.19			
11956.00	.80	119.90	11948.94	32.00	64.92	162.01
64.92	2.01	1.25	-165.63			
11987.00	.80	127.40	11979.94	31.00	64.68	162.37
64.68	.34	.00	24.19			
12019.00	1.10	101.60	12011.93	32.00	64.48	162.85
64.48	1.61	.94	-80.63			
12051.00	1.90	111.60	12043.92	32.00	64.22	163.64
64.22	2.62	2.50	31.25			
12082.00	1.90	94.00	12074.90	31.00	64.00	164.63
64.00	1.87	.00	-56.77			
12114.00	1.60	72.00	12106.89	32.00	64.10	165.59
64.10	2.28	-.94	-68.75			
12146.00	1.30	53.60	12138.88	32.00	64.45	166.30
64.45	1.72	-.94	-57.50			
12178.00	.70	338.20	12170.87	32.00	64.85	166.52
64.85	4.10	-1.88	-235.62			
12209.00	.80	264.70	12201.87	31.00	65.00	166.24
65.00	2.91	.32	-237.10			
12240.00	1.20	275.60	12232.87	31.00	65.02	165.70
65.02	1.42	1.29	35.16			
12270.00	.20	223.20	12262.87	30.00	65.01	165.35
65.01	3.63	-3.33	-174.67			
12301.00	1.60	113.20	12293.86	31.00	64.80	165.71
64.80	5.42	4.52	-354.84			
12333.00	3.30	117.90	12325.83	32.00	64.19	166.94
64.19	5.35	5.31	14.69			
12364.00	3.70	116.50	12356.77	31.00	63.33	168.62
63.33	1.32	1.29	-4.52			
12395.00	3.50	106.30	12387.71	31.00	62.62	170.42
62.62	2.16	-.65	-32.90			
12427.00	2.60	85.10	12419.67	32.00	62.40	172.08
62.40	4.46	-2.81	-66.25			
12458.00	2.80	71.90	12450.63	31.00	62.70	173.50
62.70	2.10	.65	-42.58			
12490.00	1.90	66.60	12482.61	32.00	63.15	174.73
63.15	2.89	-2.81	-16.56			

Petro Hunt Text Survey

12521.00	1.10	58.30	12513.60	31.00	63.51	175.46
63.51	2.67	-2.58	-26.77			
12553.00	.40	101.90	12545.59	32.00	63.65	175.83
63.65	2.67	-2.19	136.25			
12585.00	.20	181.90	12577.59	32.00	63.57	175.94
63.57	1.30	-.63	250.00			
12617.00	.70	154.70	12609.59	32.00	63.34	176.02
63.34	1.66	1.56	-85.00			
12648.00	.40	263.50	12640.59	31.00	63.16	175.99
63.16	2.94	-.97	350.97			
12680.00	1.20	267.20	12672.59	32.00	63.13	175.55
63.13	2.50	2.50	11.56			
12711.00	1.20	255.20	12703.58	31.00	63.03	174.91
63.03	.81	.00	-38.71			
12743.00	1.60	267.70	12735.57	32.00	62.93	174.14
62.93	1.57	1.25	39.06			
12774.00	2.50	297.90	12766.55	31.00	63.22	173.11
63.22	4.44	2.90	97.42			
12806.00	2.40	285.30	12798.52	32.00	63.73	171.85
63.73	1.71	-.31	-39.38			
12838.00	2.90	295.80	12830.49	32.00	64.26	170.47
64.26	2.17	1.56	32.81			
12870.00	2.20	305.30	12862.46	32.00	64.96	169.24
64.96	2.55	-2.19	29.69			
12902.00	2.00	292.80	12894.44	32.00	65.54	168.22
65.54	1.56	-.63	-39.06			
12934.00	1.80	300.20	12926.42	32.00	66.00	167.27
66.00	.99	-.62	23.13			
12965.00	1.10	282.50	12957.41	31.00	66.31	166.56
66.31	2.66	-2.26	-57.10			
12996.00	1.00	295.60	12988.40	31.00	66.50	166.03
66.50	.84	-.32	42.26			

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Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Drift BUILD Direction RATE Deg Deg/100	Petro Hunt Text True WALK Vertical RATE Depth Deg/100	Survey Course Length FT	N-S FT	E-W FT
13028.00	.50	233.40	13020.40	32.00	66.53	165.67
66.53	2.77	-1.56	-194.38			
13060.00	.70	270.20	13052.40	32.00	66.45	165.36
66.45	1.32	.62	115.00			
13092.00	.40	194.20	13084.40	32.00	66.34	165.13
66.34	2.24	-.94	-237.50			
13123.00	.30	262.40	13115.40	31.00	66.23	165.03
66.23	1.29	-.32	220.00			
13155.00	.40	41.30	13147.40	32.00	66.30	165.02
66.30	2.05	.31	434.06			
13187.00	.90	132.30	13179.40	32.00	66.21	165.28
66.21	3.10	1.56	284.38			
13218.00	1.30	94.90	13210.39	31.00	66.02	165.81
66.02	2.58	1.29	-120.65			
13250.00	1.00	78.00	13242.38	32.00	66.05	166.44
66.05	1.41	-.94	-52.81			
13281.00	.70	66.40	13273.38	31.00	66.18	166.88
66.18	1.11	-.97	-37.42			
13312.00	.50	24.80	13304.38	31.00	66.38	167.11
66.38	1.50	-.65	-134.19			
13344.00	.70	326.20	13336.38	32.00	66.67	167.06
66.67	1.91	.62	-183.12			
13374.00	.60	314.50	13366.37	30.00	66.93	166.85
66.93	.55	-.33	-39.00			
13405.00	.40	261.00	13397.37	31.00	67.03	166.62
67.03	1.56	-.65	-172.58			
13437.00	.40	224.30	13429.37	32.00	66.93	166.44
66.93	.79	.00	-114.69			
13468.00	1.20	243.10	13460.37	31.00	66.70	166.07
66.70	2.68	2.58	60.65			
13500.00	.70	250.50	13492.37	32.00	66.49	165.59
66.49	1.61	-1.56	23.12			
13531.00	.90	244.30	13523.36	31.00	66.32	165.19
66.32	.70	.65	-20.00			
13562.00	1.10	221.80	13554.36	31.00	65.99	164.77
65.99	1.41	.65	-72.58			
13593.00	1.30	202.70	13585.35	31.00	65.45	164.44
65.45	1.43	.65	-61.61			
13625.00	1.00	216.20	13617.34	32.00	64.89	164.13
64.89	1.26	-.94	42.19			
13657.00	1.00	212.70	13649.34	32.00	64.43	163.82
64.43	.19	.00	-10.94			
13688.00	1.30	165.00	13680.33	31.00	63.86	163.76
63.86	3.13	.97	-153.87			
13720.00	1.60	159.10	13712.32	32.00	63.09	164.02
63.09	1.05	.94	-18.44			
13751.00	1.70	131.50	13743.31	31.00	62.38	164.52
62.38	2.56	.32	-89.03			
13781.00	1.70	116.00	13773.30	30.00	61.89	165.25
61.89	1.53	.00	-51.67			

Petro Hunt Text Survey

13813.00	2.40	74.90	13805.28	32.00	61.86	166.32
61.86	4.94	2.19	-128.44			
13844.00	3.00	48.00	13836.25	31.00	62.57	167.55
62.57	4.47	1.94	-86.77			
13876.00	3.10	25.10	13868.20	32.00	63.91	168.54
63.91	3.79	.31	-71.56			
13906.00	2.30	7.20	13898.17	30.00	65.24	168.96
65.24	3.84	-2.67	-59.67			
13936.00	.40	351.50	13928.16	30.00	65.95	169.02
65.95	6.39	-6.33	-52.33			
13967.00	.80	153.40	13959.16	31.00	65.86	169.10
65.86	3.83	1.29	522.26			
13998.00	1.50	161.90	13990.15	31.00	65.28	169.32
65.28	2.32	2.26	27.42			
14030.00	2.30	134.30	14022.13	32.00	64.43	169.91
64.43	3.73	2.50	-86.25			
14061.00	2.60	130.10	14053.11	31.00	63.55	170.90
63.55	1.13	.97	-13.55			
14092.00	3.10	115.60	14084.07	31.00	62.73	172.19
62.73	2.82	1.61	-46.77			
14123.00	2.40	119.00	14115.03	31.00	62.05	173.51
62.05	2.32	-2.26	10.97			
14156.00	2.20	149.90	14148.01	33.00	61.17	174.44
61.17	3.76	-.61	93.64			
14188.00	1.40	167.70	14179.99	32.00	60.26	174.83
60.26	3.02	-2.50	55.62			
14220.00	1.00	214.80	14211.99	32.00	59.65	174.75
59.65	3.21	-1.25	147.19			
14251.00	1.10	263.80	14242.98	31.00	59.39	174.30
59.39	2.82	.32	158.06			
14283.00	.90	346.80	14274.98	32.00	59.60	173.94
59.60	4.17	-.63	259.37			

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Measured Vertical Depth Section FT FT	Incl Dogleg Angle Severity Deg Deg/100	Petro Drift BUILD Direction RATE Deg Deg/100	Hunt True WALK Vertical RATE Depth Deg/100	Text Survey Course Length FT	N-S FT	E-W FT
14315.00	.90	356.10	14306.97	32.00	60.10	173.86
60.10	.46	.00	29.06			
14347.00	1.40	21.10	14338.97	32.00	60.71	173.99
60.71	2.18	1.56	78.12			
14378.00	.80	58.80	14369.96	31.00	61.18	174.31
61.18	2.93	-1.94	121.61			
14410.00	1.00	77.70	14401.96	32.00	61.36	174.77
61.36	1.11	.62	59.06			
14442.00	.30	257.80	14433.96	32.00	61.40	174.96
61.40	4.06	-2.19	-562.19			
14473.00	.70	15.30	14464.96	31.00	61.56	174.93
61.56	2.84	1.29	379.03			
14505.00	.40	40.90	14496.95	32.00	61.84	175.06
61.84	1.19	-.94	80.00			
14537.00	1.00	18.30	14528.95	32.00	62.19	175.22
62.19	2.03	1.88	-70.62			
14552.00	1.00	37.20	14543.95	15.00	62.41	175.34
62.41	2.19	.00	126.00			
Projection to Bit						
14611.00	1.00	37.20	14602.94	59.00	63.23	175.96
63.23	.00	.00	.00			



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 28, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6114

Mr. Cary Vice  
Petro-Hunt, LLC  
1601 Elm Street, Suite 3400  
Dallas, TX 75201

Re: VHCF 35A-3-1 API 43-039-30033 168 2E 35  
Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases

Dear Mr. Vice,

As of July 2008, Petro-Hunt, LLC has one (1) Fee Lease Well (see attachment A) in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2  
September 2, 2008  
Mr. Vice

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

JP/js  
Enclosure

cc: Well File  
Compliance File

## ATTACHMENT A

	<b>Well Name</b>	<b>Location</b>	<b>API</b>	<b>Lease Type</b>	<b>Years Inactive</b>
1	VHCF 35A-3-1	SWNE Sec 35-16S-02E	43-039-30033	Fee	1 Year 4 Months

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		6. LEASE DESIGNATION AND SERIAL NUMBER: FEE / 64
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>SI/TA Well</u>	8. WELL NAME and NUMBER: VHCF 35A-3-1	
2. NAME OF OPERATOR: PETRO-HUNT, L. L. C.	9. API NUMBER: 4303930033	
3. ADDRESS OF OPERATOR: 1601 ELM ST, SUITE 3400 CITY DALLAS STATE TX ZIP 75201	PHONE NUMBER: (214) 880-8400	10. FIELD AND POOL, OR WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1430' FNL & 2200' FEL	COUNTY: SANPETE	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 35 16S 02E	STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>9/10/2008</u>  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>MAINTAIN SI/TA STATUS</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was temporarily abandoned according to approved procedures on 03/26/2007. Our temporary abandonment procedure has insured that there is no risk to public health and safety or the environment. Petro-Hunt, L. L. C. is currently waiting on a rig to drill a second permitted well in Sanpete County. We will be permitting a third well in this area in the near future. Petro-Hunt, L. L. C. requests that we be allowed to maintain the SI/TA status on the VHCF 35A-3-1 well pending the results of these two wells. These wells should be drilled by May 15, 2009.

I have attached the "Actual TA Schematic" of the VHCF 35A-3-1 well for your convenience.

COPY SENT TO OPERATOR

Date: 9.23.2008

Initials: KS

NAME (PLEASE PRINT) <u>Cary J. Vice</u>	TITLE <u>Sr. Drilling Engineer</u>
SIGNATURE	DATE <u>9/10/2008</u>

(This space for State use only)

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

DATE: 9/16/08  
BY: [Signature]  
\* Valid Through 9/1/09

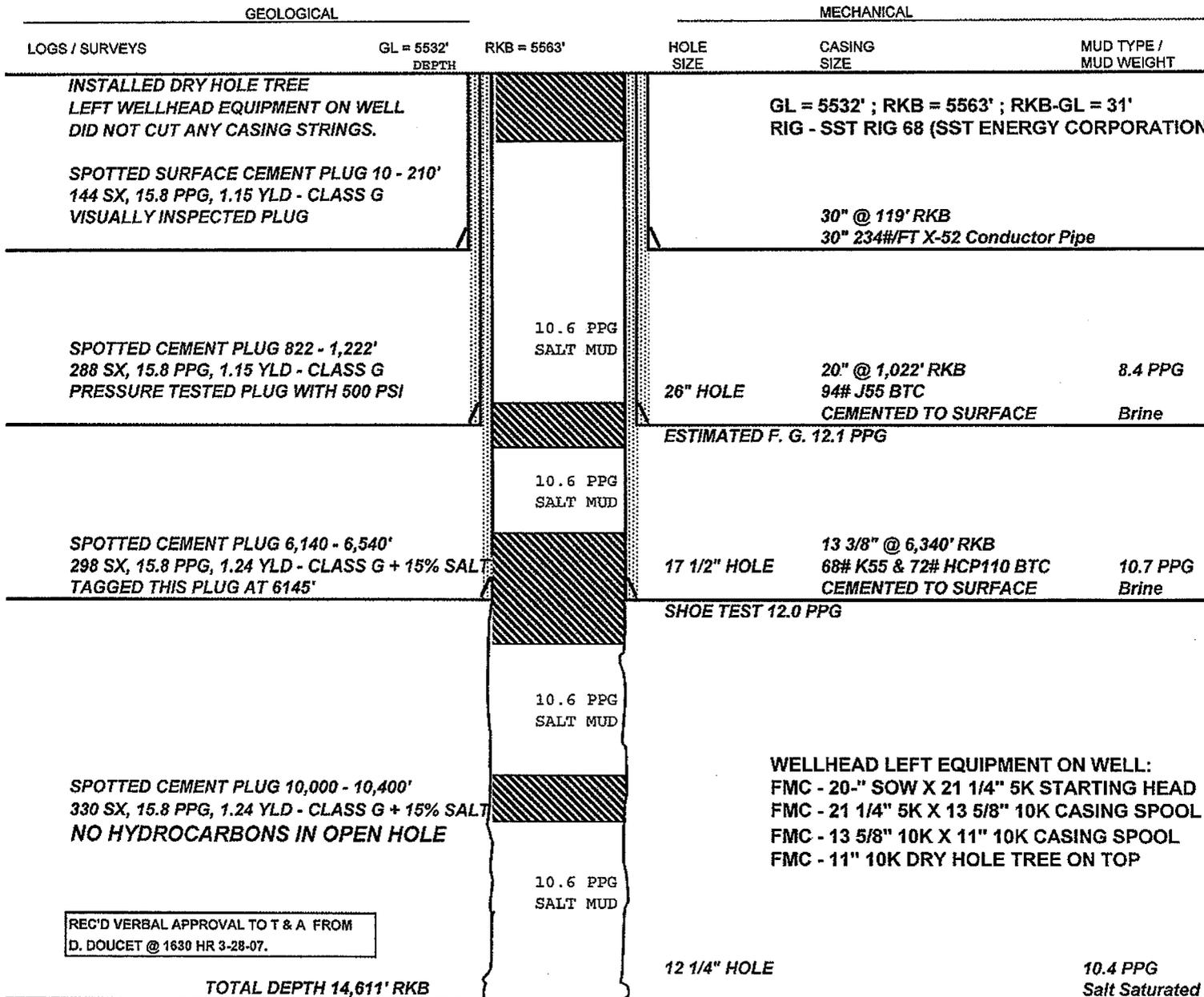
**RECEIVED**  
**SEP 10 2008**  
**DIV. OF OIL, GAS & MINING**

# PETRO HUNT L. L. C.

## ACTUAL TEMPORARY ABANDONMENT SCHEMATIC

cjv

COMPANY NAME	PETRO HUNT L. L. C.	DATE	3/29/2007 REVISED
WELL NAME	VONDA H. CHRISTENSEN FAMILY LP 35A-3-1	TD:	14,611 RKB
FIELD	WILDCAT	PROSPECT:	AXHANDLE
LOCATION	SECTION 35, T 16S, R 2E	STATE:	UTAH
OBJECTIVE ZONE(S)	JURASSIC LOWER TWIN CREEK AND JURASSIC NAVAJO	COUNTY:	SANPETE
		WATER DEPTH:	N/A



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE / 64</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT OR CO-AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, re-enter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>SI/TA Well</u>	6. WELL NAME and NUMBER: <b>VHCF 35A-3-1</b>	9. API NUMBER: <b>4303930033</b>
2. NAME OF OPERATOR: <b>Petro-Hunt, L.L.C.</b>	10. FIELD AND POOL, OR WILDCAT: <b>Wildcat</b>	
3. ADDRESS OF OPERATOR: 1601 Elm St. Suite 3400 <u>Dallas</u> STATE <u>TX</u> ZIP <u>75201</u>	PHONE NUMBER: <b>(214) 880-8400</b>	

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **1430' FNL & 2200' FEL** COUNTY: **Sanpete**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SWNE 35 16S 02E** STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>11/4/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Delay closing of the reserve pit.</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was temporarily abandoned according to approved procedures on 03/26/2007. An extension to keep the well in a SI/TA status was approved on 09/16/2008, and is valid through 09/01/2009. We request that the reserve pit be allow to remain open for the same time period. Once other wells have been drilled by Petro-Hunt, L.L.C in this area, the plan is to reopen this wellbore and side track to an oil bearing zone. The reserve pit is an vital part of this operation and closing the pit and have to reopening it at a later date would not be recommended. The reserve pit is maintained and inspected. Also, the perimeter of the pit is fenced.

COPY SENT TO OPERATOR  
Date: 11.10.2008  
Initials: KS

NAME (PLEASE PRINT) Ray Lewis TITLE Operations Manager  
SIGNATURE \_\_\_\_\_ DATE 11/4/2008

(This space for State use only)

(5/2000) Approved by the  
Utah Division of  
Oil, Gas and Mining (See Instructions on Reverse Side)  
Date: 11/5/08  
By: [Signature]

RECEIVED  
NOV 04 2008  
DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>SI/TA Well</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE / 64</b>
2. NAME OF OPERATOR: <b>Petro-Hunt, L.L.C.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1601 Elm St. Suite 3400 CITY <u>Dallas</u> STATE <u>Tx</u> ZIP <u>75201</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>1430' FNL &amp; 2200' FEL</u> COUNTY: <u>Sanpete</u>		8. WELL NAME and NUMBER: <b>VHCF 35A-3-1</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>SWNE 35 16S 02E</u> STATE: <b>UTAH</b>		9. API NUMBER: <b>4303930033</b>
		10. FIELD AND POOL, OR WILDCAT: <b>Wildcat</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>11/4/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Delay closing of the reserve pit.</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was temporarily abandoned according to approved procedures on 03/26/2007. An extension to keep the well in a SI/TA status was approved on 09/16/2008, and is valid through 09/01/2009. We request that the reserve pit be allow to remain open for the same time period. Once other wells have been drilled by Petro-Hunt, L.L.C in this area, the plan is to reopen this wellbore and side track to an oil bearing zone. The reserve pit is an vital part of this operation and closing the pit and have to reopening it at a later date would not be recommended. The reserve pit is maintained and inspected. Also, the perimeter of the pit is fenced.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 11/13/08  
By: [Signature]

NAME (PLEASE PRINT) <u>Ray Lewis</u>	TITLE <u>Operations Manager</u>
SIGNATURE <u>[Signature]</u>	DATE <u>11/4/2008</u>

(This space for State use only)

**COPY SENT TO OPERATOR**  
Date: 11/13/2008  
Initials: KS

**RECEIVED**  
**NOV 10 2008**  
DIV. OF OIL, GAS & MINING



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 16, 2011

CERTIFIED MAIL NO.: 7005 1820 0001 5562 7883

Mr. Cary Vice  
Petro-Hunt, LLC  
1601 Elm Street, Suite 3400  
Dallas, TX 75201

43 039 30033  
VHCF 35A-3-1  
16S 2E 35

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Vice:

As of January 2011, Petro-Hunt, LLC (Petro) has two (2) Fee Lease Wells (see Attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. One of the above listed wells (Attachment A) is past due on approved SI/TA extension, which ended September 1, 2009. Petro has not submitted necessary data with good reason for further extension on said well. Please submit the necessary data as outlined below to bring wells into compliance.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT

Page 2  
Petro-Hunt, LLC  
March 16, 2011

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js  
Enclosure  
cc: Compliance File  
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
<b>1<sup>ST</sup> NOTICE</b>				
1	RON LAMB 31A-4-1	43-039-30034	FEE	1 Year 11 Months
<b>PAST DUE SI/TA EXTENSION as of 9/1/2009</b>				
→ 2	VHCF 35A-3-1	43-039-30033	FEE	3 Years 10 Months

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE / 64
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>SI / TA WELL</u>	8. WELL NAME and NUMBER: VHCF 35A-3-1	
2. NAME OF OPERATOR: PETRO-HUNT, L. L. C.		9. API NUMBER: 4303930033
3. ADDRESS OF OPERATOR: 258 119TH AVENUE SW CITY KILLDEER STATE ND ZIP 58640		10. FIELD AND POOL, OR WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1430' FNL & 2200' FEL		COUNTY: SANPETE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 35 16S 02E		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>5/15/2011</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS TEMPORARILY ABANDONED ACCORDING TO APPROVED PROCEDURES ON 03/26/2007. OUR TEMPORARY ABANDONMENT PROCEDURE HAS INSURED THAT THERE IS NO RISK TO PUBLIC HEALTH AND SAFETY OR THE ENVIRONMENT. PETRO-HUNT, L. L. C. HAS PLANS TO FINALIZE THE PLUG AND ABANDONMENT OPERATION IN MAY 2011, WHEN THE WEATHER PERMITS. AT THAT TIME, THE WELLHEADS WILL BE REMOVED AND THE CASING STRINGS WILL BE CUT BELOW GROUND LEVEL AND A STEEL PLATE WILL BE WELDED ACROSS THE CASING STUBS.

I HAVE ATTACHED THE "ACTUAL TA SCHEMATIC" OF SUBJECT WELL.

**COPY SENT TO OPERATOR**

Date: 3.31.2011

Initials: KS

NAME (PLEASE PRINT) <u>Cary J. Vice</u>	TITLE <u>Sr. Drilling Engineer</u>
SIGNATURE <u><i>Cary J. Vice</i></u>	DATE <u>3/29/2011</u>

(This space for State use only)

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

DATE: 3/29/2011 (See Instructions on Reverse Side)

BY: *[Signature]*

\* Valid through July 1, 2011

**RECEIVED**

**MAR 29 2011**

DIV. OF OIL, GAS & MINING

(5/2000)

# PETRO HUNT L. L. C.

## ACTUAL TEMPORARY ABANDONMENT SCHEMATIC

cjv

COMPANY NAME	PETRO HUNT L. L. C.	DATE	3/29/2007 REVISED
WELL NAME	VONDA H. CHRISTENSEN FAMILY LP 35A-3-1	TD:	14,611 RKB
FIELD	WILDCAT	PROSPECT:	AXHANDLE
LOCATION	SECTION 35, T 16S, R 2E	STATE	UTAH
OBJECTIVE ZONE(S)	JURASSIC LOWER TWIN CREEK AND JURASSIC NAVAJO	COUNTY	SANPETE
		WATER DEPTH:	N/A

### GEOLOGICAL

### MECHANICAL

#### LOGS / SURVEYS

GL = 5532'  
DEPTH

RKB = 5563'

HOLE  
SIZE

CASING  
SIZE

MUD TYPE /  
MUD WEIGHT

**INSTALLED DRY HOLE TREE  
LEFT WELLHEAD EQUIPMENT ON WELL  
DID NOT CUT ANY CASING STRINGS.**

GL = 5532' ; RKB = 5563' ; RKB-GL = 31'  
RIG - SST RIG 68 (SST ENERGY CORPORATION)

**SPOTTED SURFACE CEMENT PLUG 10 - 210'  
144 SX, 15.8 PPG, 1.15 YLD - CLASS G  
VISUALLY INSPECTED PLUG**

30" @ 119' RKB  
30" 234#/FT X-52 Conductor Pipe

**SPOTTED CEMENT PLUG 822 - 1,222'  
288 SX, 15.8 PPG, 1.15 YLD - CLASS G  
PRESSURE TESTED PLUG WITH 500 PSI**

10.6 PPG  
SALT MUD

26" HOLE  
20" @ 1,022' RKB  
94# J55 BTC  
CEMENTED TO SURFACE  
8.4 PPG  
Brine

ESTIMATED F. G. 12.1 PPG

10.6 PPG  
SALT MUD

**SPOTTED CEMENT PLUG 6,140 - 6,540'  
298 SX, 15.8 PPG, 1.24 YLD - CLASS G + 15% SALT  
TAGGED THIS PLUG AT 6145'**

17 1/2" HOLE  
13 3/8" @ 6,340' RKB  
68# K55 & 72# HCP110 BTC  
CEMENTED TO SURFACE  
10.7 PPG  
Brine

SHOE TEST 12.0 PPG

10.6 PPG  
SALT MUD

**SPOTTED CEMENT PLUG 10,000 - 10,400'  
330 SX, 15.8 PPG, 1.24 YLD - CLASS G + 15% SALT  
NO HYDROCARBONS IN OPEN HOLE**

WELLHEAD LEFT EQUIPMENT ON WELL:  
FMC - 20-" SOW X 21 1/4" 5K STARTING HEAD  
FMC - 21 1/4" 5K X 13 5/8" 10K CASING SPOOL  
FMC - 13 5/8" 10K X 11" 10K CASING SPOOL  
FMC - 11" 10K DRY HOLE TREE ON TOP

10.6 PPG  
SALT MUD

REC'D VERBAL APPROVAL TO T & A FROM  
D. DOUCET @ 1630 HR 3-28-07.

12 1/4" HOLE

10.4 PPG  
Salt Saturated

TOTAL DEPTH 14,611' RKB

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

6. LEASE DESIGNATION AND SERIAL NUMBER:  
**FEE / 64**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER P&A'd WELL

8. WELL NAME and NUMBER:  
**VHCF 35A-3-1**

2. NAME OF OPERATOR:  
**PETRO-HUNT, L. L. C.**

9. API NUMBER:  
**4303930033**

3. ADDRESS OF OPERATOR:  
**1601 ELM ST, SUITE 3400** CITY **DALLAS** STATE **TX** ZIP **75201** PHONE NUMBER: **(214) 880-8400**

10. FIELD AND POOL, OR WILDCAT:  
**WILDCAT**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **1430' FNL & 2200' FEL**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SWNE 35 16S 02E**

COUNTY: **SANPETE**  
STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>5/21/2011</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
**ALL CASING STRINGS WERE CUT 5' BELOW GROUND LEVEL. A STEEL PLATE WAS WELDED ACROSS THE STUB WITH THE API NUMBER ON IT.**

NAME (PLEASE PRINT) CARY J. VICE TITLE SR. DRILLING ENGINEER  
SIGNATURE *Cary J. Vice* DATE 1/25/2012

(This space for State use only)