





1071568

**For KCC Use ONLY**

API # 15 - \_\_\_\_\_

**IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW**

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator: \_\_\_\_\_

Lease: \_\_\_\_\_

Well Number: \_\_\_\_\_

Field: \_\_\_\_\_

Number of Acres attributable to well: \_\_\_\_\_

QTR/QTR/QTR/QTR of acreage: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Location of Well: County: \_\_\_\_\_

\_\_\_\_\_ feet from  N /  S Line of Section

\_\_\_\_\_ feet from  E /  W Line of Section

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  E  W

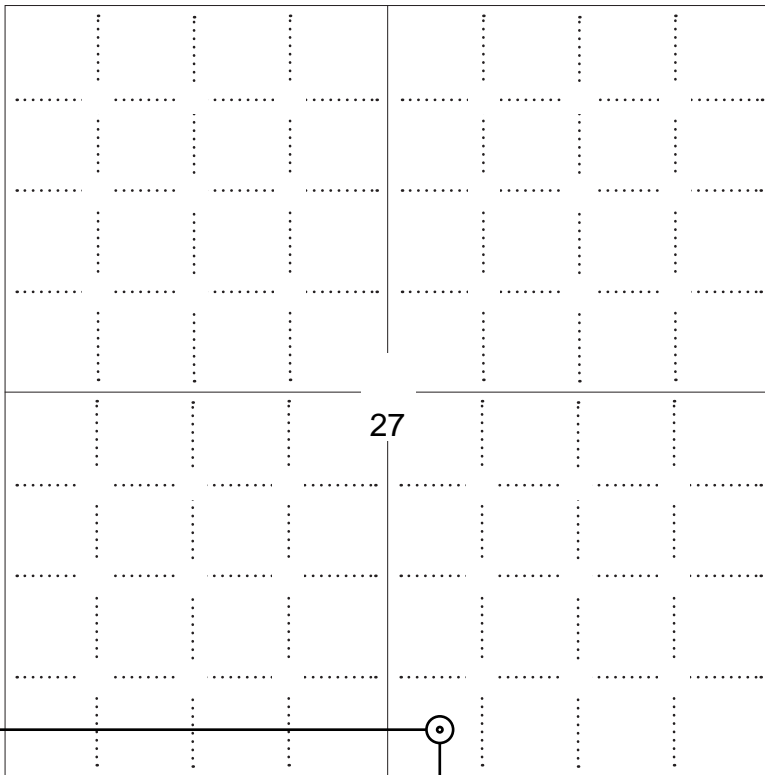
Is Section:  Regular or  Irregular

**If Section is Irregular, locate well from nearest corner boundary.**

Section corner used:  NE  NW  SE  SW

**PLAT**

Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.



**LEGEND**

- Well Location
- Tank Battery Location
- Pipeline Location
- Electric Line Location
- Lease Road Location



**NOTE: In all cases locate the spot of the proposed drilling locaton.**

330 ft.

**In plotting the proposed location of the well, you must show:**

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease or unit boundary line (in footage).
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).
5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.



KANSAS CORPORATION COMMISSION 1071568  
OIL & GAS CONSERVATION DIVISION

Form CDP-1  
May 2010  
Form must be Typed

**APPLICATION FOR SURFACE PIT**

*Submit in Duplicate*

Operator Name: _____		License Number: _____	
Operator Address: _____			
Contact Person: _____		Phone Number: _____	
Lease Name & Well No.: _____		Pit Location (QQQQ): _____-_____-_____-_____	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>		Pit is: <input type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No	
How is the pit lined if a plastic liner is not used?			
Pit dimensions (all but working pits):    _____ Length (feet)    _____ Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: _____ (feet) <input type="checkbox"/> No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.	
Distance to nearest water well within one-mile of pit: _____ feet    Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input type="checkbox"/> KDWR	
<b>Emergency, Settling and Burn Pits ONLY:</b> Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Drilling, Workover and Haul-Off Pits ONLY:</b> Type of material utilized in drilling/workover: _____ Number of working pits to be utilized: _____ Abandonment procedure: _____ Drill pits must be closed within 365 days of spud date.	
<p><b>Submitted Electronically</b></p>			

**KCC OFFICE USE ONLY**

Liner     Steel Pit     RFAC     RFAS

Date Received: \_\_\_\_\_ Permit Number: \_\_\_\_\_ Permit Date: \_\_\_\_\_ Lease Inspection:     Yes     No



# CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

*This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.*

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # \_\_\_\_\_  
Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_ Fax: ( \_\_\_\_\_ ) \_\_\_\_\_  
Email Address: \_\_\_\_\_

Well Location: \_\_\_\_\_  
\_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ Sec. \_\_\_\_ Twp. \_\_\_\_ S. R. \_\_\_\_  East  West  
County: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

*If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:*

**Surface Owner Information:**

Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

*When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.*

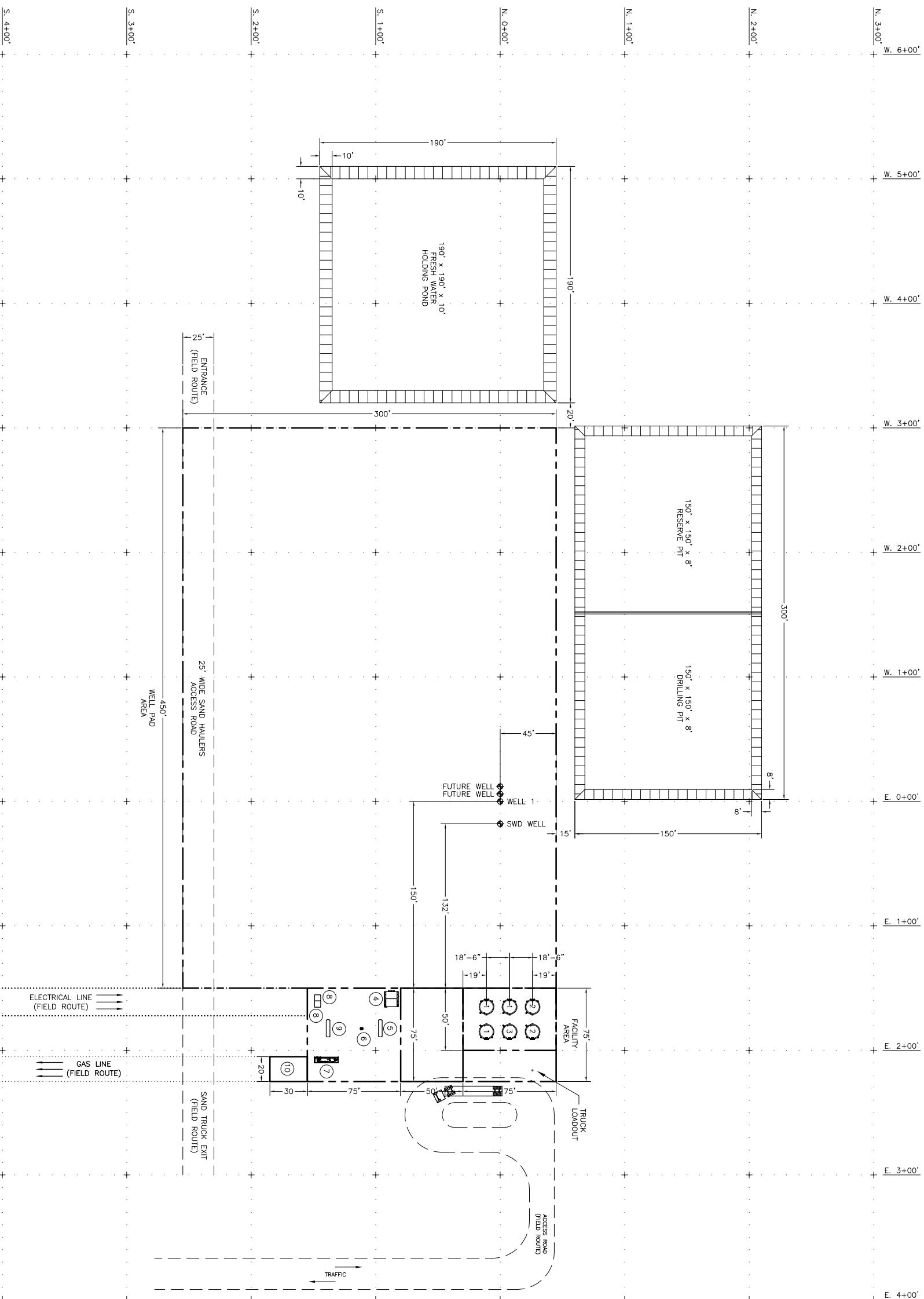
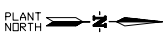
*If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.*

**Select one of the following:**

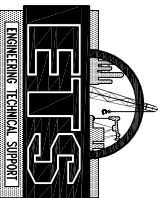
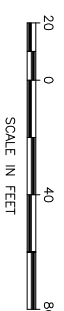
- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

*If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.*

I Submitted Electronically



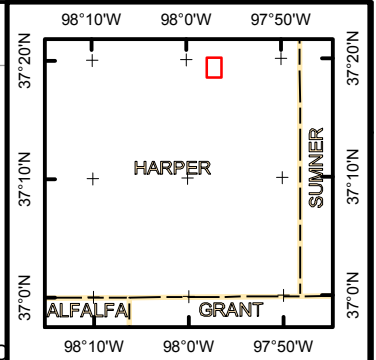
- EQUIPMENT:**
- ① 12'-0"ø x 20'-0" HT. WATER TANK (TYP. 3)
  - ② 12'-0"ø x 20'-0" HT. OIL TANK (TYP. 2)
  - ③ 12'-0"ø x 20'-0" HT. WET OIL
  - ④ 11'-2" x 12'-10" SHELL METERING SKID (FUTURE)
  - ⑤ FREEWATER KNOCKOUT
  - ⑥ FUEL GAS SCRUBBER SKID
  - ⑦ 4'-0" x 20'-0" HEATER TREATER
  - ⑧ GENERATOR (TYP. 2)
  - ⑨ TEST SEPARATOR (FUTURE)
  - ⑩ GAS SALES



REVIEWED BY:				RELEASED ONLY FOR:				SHELL EXPLORATION & PRODUCTION COMPANY			
PROJ ENGR				PROJ	FAC	DATE		EQUIPMENT PILOT PLAN			
ENGR				ENGR	ENGR			MULTIPLE WELL FACILITY			
OPR								ARROWHEAD DEVELOPMENT			
CONST								HARPER COUNTY, KANSAS			
HSAE								ENGR: WA JONES	DGN: Y WU	SCALE: 1" = 40'	
	9/11	A	ISSUED FOR APPROVAL	YV	CGM	BID		DATE: 09/20/11			
											KS-1000-MX-4024-0001

1,945,000

97°57'0"W



22

DROUHARD,  
WAYNE M &  
DIANE H/W

MARY W HOLLAND TTEE  
OF THE DALTON  
HOLLAND FAMILY TRUST

MARY W HOLLAND  
AND JOE P HOLLAND  
CO-TTEES OF THE MARY  
W HOLLAND REVOCABLE  
TRUST DTD 6/27/07

PATTI M ECK REVOCABLE  
TRUST DTD 11/3/05

**BHL**

NAD27 State Plane Kansas South  
Lat: 37.326012 X: 2157796.55064  
Lon: -97.95734 Y: 240537.188986

KELLY  
/B/ 1

NAOMI EASTER, TTEE  
OF THE NAOMI EASTER  
REVOCABLE LIVING TRUST,  
DATED MARCH 2, 2005

BEAL, BRETT  
A & KAREN  
L BEAL H/W

STUCKEY 1  
BLANCHAT,  
DANIEL J, A  
SINGLE MAN

STEPHEN K. JOHNSON,  
TTEE OF THE  
JOHNSON REVOCABLE  
LIVING TRUST,  
DATED MAY 30, 2002

MAE E. GREEN, TTEE  
OF THE MAE E. GREEN  
MANAGEMENT TRUST

T31S - R6W

27

26

BLANCHAT,  
DANIEL J, A  
SINGLE MAN

STEPHEN K. JOHNSON,  
TTEE OF THE JACK  
STUCHEL TRUST,  
DATED MAY 21, 1991

WILLIAM D BLANCHAT  
& VERA LEE BLANCHAT,  
TTEES OF THE  
WILLIAM D BLANCHAT  
REVOCABLE TRUST

**Shell Stuchal  
Trust 3106**

**27-1H**

HOSTETLER,  
BRIAN K. &  
CAMMI S. H/W  
FRIEDEN,  
VANNDY V., A  
SINGLE MAN

34

DANIEL J &  
VICKIE D  
SHORT, H/W

THOMPSON 1

HUNTER-JOHNSON  
FARMS, INC. A

**Shell Gulf of Mexico Inc.**

KANSAS  
HARPER COUNTY  
T31S - R06W SEC. 27

**Shell Stuchal Trust 3106 27-1**

0 1,000  
Feet

November 7, 2011 E. Gilbertson - 4105 B by Eric Gilbertson

ShellStuchalTrust3106\_27-1H.mxd UTM 14N - NAD27 - US Feet

1,945,000

97°57'0"W

37°20'0"N

13,555,000

37°19'0"N

13,550,000

37°20'0"N

13,555,000

37°19'0"N

13,550,000

T31S, R6W, 6th P.M.

SGOMI

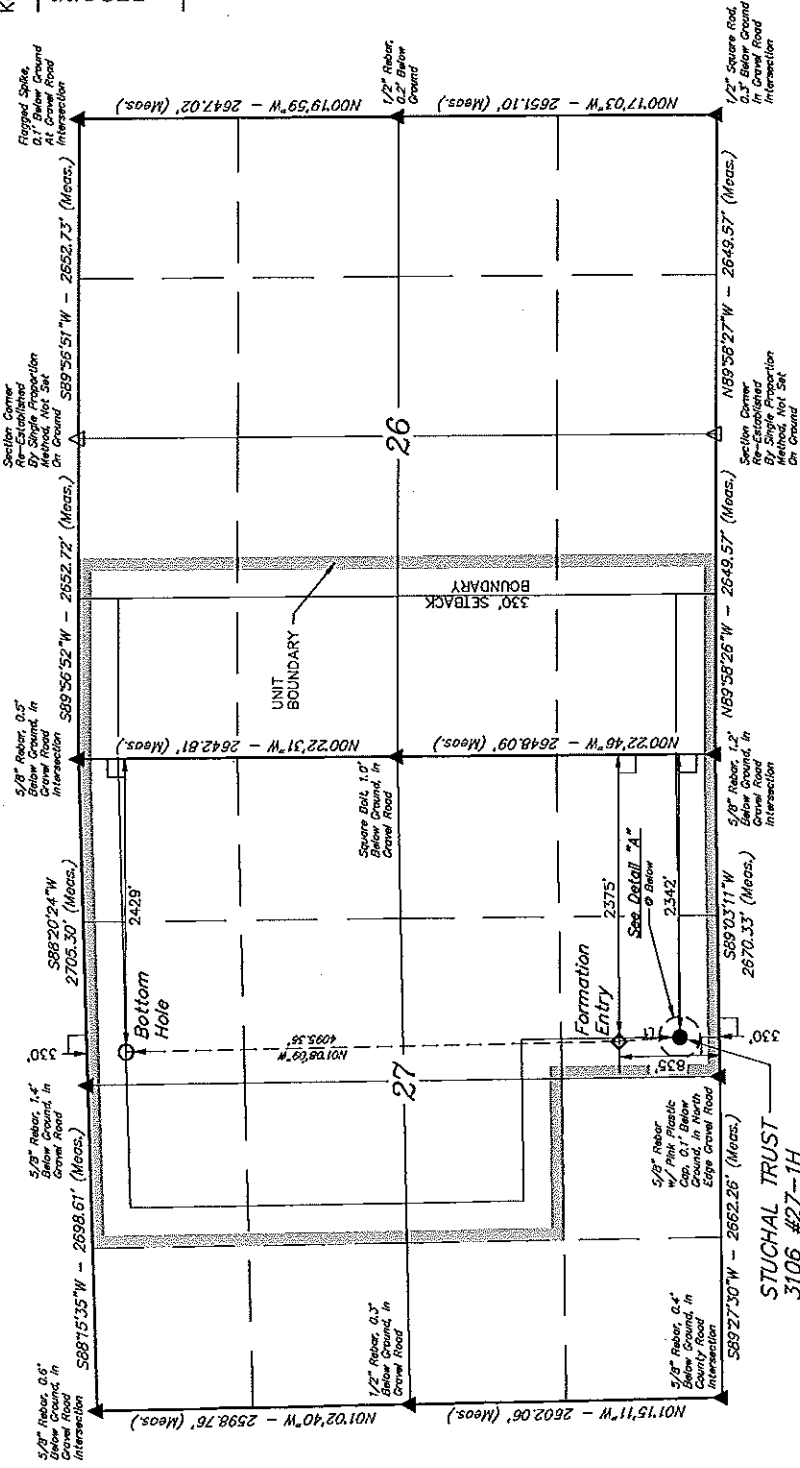
Well location, STUCHAL TRUST 3106 #27-1H, located as shown in the SW 1/4 SE 1/4 of Section 27, T31S, R6W, 6th P.M., Harper County, Kansas.

**BASIS OF ELEVATION**

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 22, T33S, R7W, 6th P.M. TAKEN FROM THE ANTHONY, QUADRANGLE, KANSAS, HARPER COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1348 FEET.

**BASIS OF BEARINGS**

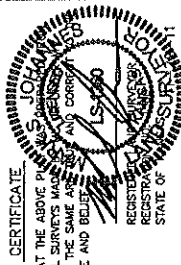
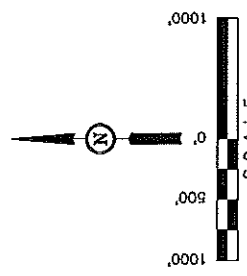
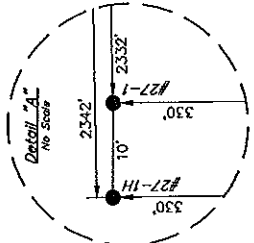
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



STUCHAL TRUST  
3106 #27-1H  
Elev. Ungraded  
Ground = 1394'

LINE	BEARING	LENGTH
L1	N04°04'52\"W	505.73'

- LEGEND:**
- ◻ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
  - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on ground.)



CERTIFICATE  
THIS IS TO CERTIFY THAT THE ABOVE PLAT AND FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY SUPERVISION AND THAT THE SAME ARE CORRECT IN ALL PARTICULARS AND TO THE BEST OF MY KNOWLEDGE AND BELIEF.

UNYTAH ENGINEERING & LAND SURVEYING	
85 SOUTH 200 EAST - VERNAL, UTAH 84078	
(435) 789-1017	
SCALE	1" = 1000'
DATE SURVEYED:	11-01-11
DATE DRAWN:	11-08-11
PARTY:	L.S. K.H. C.C.
REFERENCES:	G.L.O. PLAT
FILE:	COOL
WEATHER:	SGOMI

NAD 83 (SURFACE LOCATION)	NAD 83 (FORMATION ENTRY)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 37°18'48.47" (37.313464)	LATITUDE = 37°18'53.48" (37.314860)	LATITUDE = 37°19'33.84" (37.328094)
LONGITUDE = 97°57'28.38" (97.957331)	LONGITUDE = 97°57'28.85" (97.957453)	LONGITUDE = 97°57'27.78" (97.957109)
NAD 2011 (SURFACE LOCATION)	NAD 2011 (FORMATION ENTRY)	NAD 2011 (TARGET BOTTOM HOLE)
LATITUDE = 37°18'48.15" (37.313415)	LATITUDE = 37°18'53.15" (37.314815)	LATITUDE = 37°19'33.51" (37.328051)
LONGITUDE = 97°57'28.18" (97.957318)	LONGITUDE = 97°57'28.61" (97.957371)	LONGITUDE = 97°57'27.54" (97.957277)

Stuchal Unit – 640 acres, more or less, containing the following:

Section 26, Township 31 South, Range 6 West

- The West 200 acres

Section 27, Township 31 South, Range 6 West

- East Half (E/2), containing 320 acres, more or less
- East Half of the Northwest Quarter (E/2 NW/4) and the Northeast Quarter of the Southwest Quarter (NE/4 SW/4), containing 120 acres, more or less.



January 10, 2012

DAMONICA PIERSON  
Shell Gulf of Mexico Inc.  
150 N DAIRY-ASHFORD (77079)  
PO BOX 576 (77001-0576)  
HOUSTON, TX 77001-0576

Re: Drilling Pit Application  
Stuchal Trust 3107 27-1H  
SE/4 Sec.27-31S-06W  
Harper County, Kansas

Dear DAMONICA PIERSON:

District staff has inspected the above referenced location and has determined that an unsealed condition will present a pollution threat to water resources.

District staff has recommended that the reserve pit be lined with bentonite or native clay, constructed **without slots**, the bottom shall be flat and reasonably level and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again within 1 week after drilling operations have ceased.

**If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.**

The fluids should be taken to an authorized disposal well. Please call the District Office at (316) 630-4000 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, through KOLAR within 30 days of fluid removal.

**A copy of this letter should be posted in the doghouse along with the approved Intent to Drill.** If you have any questions or concerns please feel free to contact the District Office at (316) 630-4000.