

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1226093

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15				
Name:	Spot Description:				
Address 1:					
Address 2:	Feet from				
City: State: Zip:+	Feet from _ East / _ West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:				
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet				
Operator:	If Alternate II completion, cement circulated from: sx cmt.				
Well Name: Original Comp. Date: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)				
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name:				
GSW Permit #:	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West County: Permit #:				

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Eures, whether shut-in predict final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		otain Geophysical Data a or newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No		_	on (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
	Donth		. CEMENTING / SQL	JEEZE RECORD			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
	ulic fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 aı	nd 3)
Does the volume of the to	otal base fluid of the hydr	aulic fracturing treatment ex submitted to the chemical	_	= :	No (If No, ski	p questions 2 at p question 3) out Page Three	
Shots Per Foot	PERFORATION Specify For	N RECORD - Bridge Plug ootage of Each Interval Per	s Set/Type forated		cture, Shot, Cement mount and Kind of Ma		d Depth
				,			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bbls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole		Comp. Con	mmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sul	bmit ACO-18.)	Other (Specify)	(Submit)	400-5) (Sub	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Eugene 3306 1-10H 1L
Doc ID	1226093

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9270-9550	750 gals 15% HCL, 4878 bbls fresh slickwater	
5	8958-9195	750 gals 15% HCL, 4255 bbls fresh slickwater	
5	8560-8875	750 gals 15% HCL, 5032 bbls fresh slickwater	
5	8223-8478	750 gals 15% HCL, 4066 bbls fresh slickwater	
5	7823-8154	750 gals 15% HCL, 4937 bbls fresh slickwater	
5	7448-7745	750 gals 15% HCL, 4419 bbls fresh slickwater	
5	7166-7395	750 gals 15% HCL, 3556 bbls fresh slickwater	
5	6723-7033	750 gals 15% HCL, 5075 bbls fresh slickwater	
5	6406-6653	750 gals 15% HCL, 3973 bbls fresh slickwater	
5	5973-6315	750 gals 15% HCL, 4906 bbls fresh slickwater	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Eugene 3306 1-10H 1L
Doc ID	1226093

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5620-5914	750 gals 15% HCL, 4906 bbls fresh slickwater	
5	5258-5535	750 gals 15% HCL, 4552 bbls fresh slickwater	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Eugene 3306 1-10H 1L
Doc ID	1226093

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	120	Basin Services 10 Sack Grout	9	none
Surface	12.25	9.63	36	696	Halliburton Class A	370	3% Calcium Chloride, .25 lbm Poly-E- Flake
Intermedia te	8.75	7	26	5188	Halliburton Econocem and Halcem Systems	330	50 lb Halad -9, 3 sk Bentontie (per 100 lb)



Approved Signature

BASIN SERVICES, LLC P O BOX 4268 ABILENE, TX 79608-4268 Phone # (325)690-0053 Fax # (325)698-0055

TICKET

TICKET NUMBER:

WY-323-1 07/27/2014

TICKET DATE:

ELECTRONIC

YARD: WY WAYNOKA OK

LEASE: Eugene 3306

WELL#: 1-10H

RIG#: Unit 310

Co/St: HARPER, KS

SANDRIDGE ENERGY
""" BILL IN ADP!! """

123 ROBERT S KERR AVE
OKLAHOMA CITY, OK 73102-6406

AMOUNT QUANTITY RATE DESCRIPTION 7/26-27/2014 DRILLED 30" CONDUCTOR HOLE 7/26-27/2014 20" CONDUCTOR PIPE (.250 WALL) 7/26-27/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING 7/26-27/2014 DRILL & INSTALL 8' X 6' CELLAR TINHORN 7/26-27/2014 DRILLED 20* MOUSE HOLE (PER FOOT) 7/26-27/2014 16" CONDUCTOR PIPE (.250 WALL) 7/26-27/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE 7/26-27/2014 WELDING SERVICES FOR PIPE & LIDS 7/26-27/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE 7/26-27/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE) 7/26-27/2014 9 YDS OF 10 SACK GROUT 5,340.00 7/26-27/2014 TAXABLE ITEMS 11,610.00 7/26-27/2014 BID - TAXABLE ITEMS 16,950.00 Sub Total: 328.41 Tax HARPER COUNTY (6.15 %): \$ 17,278.41 TICKET TOTAL: I the undersigned individualities the acceptance of the above haled goods and/or vorvices.

Field Ticket

Field Ticket Number: 0901489837	Field Ticket Date: Monday, July 07,	2014 Planning Order#: NA
Bill To:	Job Name: .	9.625" Surface Casing
SANDRIDGE ENERGY INC EBUSINESS, PO BOX 548807 - DO NOT MAIL,	Order Type:	ZOH
OKLAHOMA CITY, OK, 73154	Well Name:	EUGENE 3308 1-10H
	Company Code:	1100
	Customer FO No.:	NA
Ship To:	Shipping Point:	WOODWARD Shipping Point
EUGENE3306 1-10H,HARPER, ANTHONY, KS, 67003	Sales Office:	MID-CONTINENT BD
	Well Type:	OIL
	Well Category:	DEVELOPMENT
	Rig Name/#:	UNIT 310

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW Number of Units	140 1	мі	0.00	0.00		0.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	140 1	M	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE FEETMETERS (FTM) DEPTH	1 FT 2500	EA	7,095.00	7,095.00		7,095.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	140 1	MI	0.00	0.00		0.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	140 1	М	0.00	0.00		0.00
87605	FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	70 18.121	Mi	0.00	0.00		0.00
452981	CMT, ExtendaCern (TM) system	220	SK	0.00	7,618.60	3428.37	4,190.23
101216940	CHEM, Pol-E-Flake, 25 lb bag Poly-E-Flake	55	LB	0.00	0.00		0.00
101509387	CHEM, CAŁCIUM CHLORIDE-PELLET, 50 LB SK Calcium Chloride, Pellet	12	SK .	0.00	0.00		0.00
452986	СМТ, HalCem (TM) system	150	SK	0.00	7,056.00	3175.20	3,880.80
101216940	CHEM, Pol-E-Flake, 25 lb bag Poly-E-Flake	19	LB	0.00	0.00		0.00
101509387	CHEM, CALCIUM CHLORIDE PELLET, 50 LB SK Calcium Chloride, Pellet	6	SK	0.00	0.00		0.00
76400	MILEAGE,CMT MTLS DEURET MIN NUMBER OF TONS	70 18.121	МІ	0.00	0.00		0.00
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	417 EA 1	CF	0.00	0.00		0.00
	SubTotal				21,769.60	6603.57	15,166.03
	•		Totals	USD	\$ 21,769.60	\$ 6,603.57	\$ 15,166.03

HALLELFTON

Fleld Ticket Signature

First Title No. 1 and the second		riela ricket		****		
Field Ticket Number: 0901489837 Field Ticket	Date:	Monday, July 07	, 2014	Planning O	rder#: NA	
Bill To:		Job Name:		9.625" Surfac	e Casing	
SANDRIDGE ENERGY INC EBUSINESS,	- 1	Order Type:		ZOH		
PO BOX 548807 - DO NOT MAIL, OKLAHOMA CITY, OK, 73154		Well Name:		EUGENE 330	06 1-10H	
		Company C	ode:	1100		
		Customer P	O No.:	NA		
Ship To:		Shipping Po	Int:	WOODWARE	Shipping Point	
EUGENES306 1-10H,HARPER,	1	Sales Office	:	MID-CONTIN	ENT BD	
ANTHONY, KS, 67003		Well Type:		OIL		
	- 1	Well Catego	ry:	DEVELOPME	ENT	
		Rig Name/#:		UNIT 310		
Gross Amount Total: Item Discount Total: Net Amount Total:		\$ 21,769.0 \$ 6,603.6 \$ 15,166.0	57			
Customer Representative Signature:		Da	te:		7 112	
MICHAEL KULCHSKY		Bill	y Underwood			
Customer Representative		На	iliburton Representative	•		
Was our HSE performance satisfactory? (Health, Safety, Environment)	V	Vere you satisfied	with our equipment?		Were you satisfic	ed with our people?
☐Yes ☐ No		□Yes	☐ No		□Yes	☐ No
Comments: ALE Number: DC /39 40 Vell Name: FUGENE 336 Code: \$30.360 Amount: 15/166 Co. Man: Michael Itol Co. Man Sig.: 14/16 Notes:	16-1 SHrs	-10 H				,

Field Ticket

Original

Field Ticket Number: 0901505828	Field T	Ficket Date: Tuesday, July 15, 20	014 Planning Order#: NA
Bill To:] [Job Name:	7" Intermediate Casing
SANDRIDGE ENERGY INC EBUSINESS,		Order Type:	zон
PO BOX 548807 - DO NOT MAIL, OKLAHOMA CITY, OK, 73154		Well Name:	EUGENE 3306 1-10H
		Company Code:	1100
	_	Customer PO No.:	NA
Ship To:]	Shipping Point:	WOODWARD Shipping Point
EUGENE3306 1-10H,HARPER,		Sales Office:	MID-CONTINENT BD
ANTHONY, KS, 67003		Well Type:	OIL
		Well Category:	DEVELOPMENT
] [Rig Name/#:	UNIT 310

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 7500 FT	EA	10,733.00	10,733.00	1180.63	9,552.37
2	MILEAGE FOR CEMENTING CREW	140	МІ	0.00	0.00		0.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	140	МІ	0.00	0.00		0.00
141	RCM II W/ADC,/JOB,ZI	1	JOB	0.00	0.00		0.00
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	0.00	0.00		0.00
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	0.00	0.00		0.00
101229888	PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA	0.00	0.00		0.00
100003650	CHEM, CAUSTIC SODA BEADS, 50# Caustic Soda Beads	50	LB	0.00	0.00		0.00
101252566	AQUAGEL - 100 LB BAG AQUAGEL - 100 LB BAG	3	BAG	0.00	0.00		0.00
452992	CMT, EconoCem (TM) system	140	SK	0.00	4,361.00	2006.06	2,354.94
100001617	CHEM, Halad-9, 50 lb Halad(R)-9	50	LB	0.00	0.00		0.00
100003682	CHEM, BENTONITE (PER 100 LB) Bentonite	3	SK	0.00	0.00		0.00
452986	CMT, HalCem (TM) system	190	SK	0.00	9,156.10	4211.81	4,944.29
100001617	CHEM, Halad-9, 50 lb Halad(R)-9	72	LB	0.00	0.00		0.00
76400	MILEAGE,CMT MTLS DEL/RET MIN	70	MI	0.00	0.00		0.00
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	343	CF	0.00	0.00		0.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	140	MI	0.00	0.00		0.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	140	MI	0.00	0.00		0.00
87605	FUEL SURCHG-CMT & CMT ADDITIVES	70	MI	0.00	0.00		0.00
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI HRIDAYWEEKMTHIYEARJIOBIRUN HOURS	1 H 1	EA	1,139.00	1,139.00	227.80	911.20
			Totals	USD	\$ 25,389.10	\$ 7,626.30	\$ 17,762.80

Original

Field Ticket Signature

Field Ticket Number: 09	01505828 Field Ticket Date:	Tuesday, July 15, 20	14	Planning Order#: NA			
Bill To:		Job Name:		7" Intermediate Casing			
SANDRIDGE ENERGY INC E		Order Type:		ZOH			
PO BOX 548807 - DO NOT M. OKLAHOMA CITY, OK, 73154		Well Name:		EUGENE 3306 1-10H			
OKLAHOMA OH 1, OK, 73134		Company Code:		1100			
		Customer PO No	o. <i>:</i>	NA			
Ship To:		Shipping Point:		WOODWARD Shipping Point			
EUGENE3306 1-10H,HARPER	₹,	Sales Office:		MID-CONTINENT BD			
ANTHONY, KS, 67003		Well Type:		OIL			
		Well Category:		DEVELOPMENT			
		Rig Name/#:		UNIT 310			
	Item Discount Total: Net Amount Total:	\$ 7,626.30 \$ 17,762.80 L	JSD				
WD.		7/15/20	014				
Customer Representative Signature	gnature:	Date:					
Micheal Kulchiski		Scotty	Walton				
Customer Representative		Hallibu	ırton Representativ	e			
Was our HSE performance sat Environment)	isfactory? (Health, Safety,	Were you satisfied with	n our equipment?	Were you satisfi	ed with our people?		
☑Yes	□ No	☑Yes	☐ No	☑Yes	☐ No		
Comments:							
Customer Stamp (if applicab	le):						
SDRG REMIT TO DEPT		P~~FOR ALL LOCATION	NS				
AFE	AFE DC13842						
PROP#/COST CENTER CONTRACT NUMBER							
APPROVER NAME	Michael KULCHISKY	,					

Original

Field Ticket Signature

Field Ticket Number: 0901695654 Field Ticket Date:	: Fri	day, September	26, 2014	Planning	Order#: NA	
Bill To:		Job Name:		HCT_ELRE	NO_DR_PLG_4482	
SANDRIDGE ENERGY INC EBUSINESS,		Order Type:		ZOH		
PO BOX 548807 - DO NOT MAIL, OKLAHOMA CITY, OK, 73154		Well Name:		EUGENE 3	306 1-10H 1L	
		Company Cod	le:	1100		
		Customer PO	No.:	n/a		
Ship To:		Shipping Poin	t:	DUNCAN (F	FIELD CAMP) SP	
EUGENE 3306 1-10H 1L,HARPER,	1	Sales Office:		MID-CONTI	INENT BD	
ANTHONY, KS, 67003		Well Type:		HORIZONT	AL OIL	
1 - ct		Well Category	:	Developme	nt	
AFE# DC13949		Rig Name/#:				· · · · · · · · · · · · · · · · · · ·
THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX W MATERIALS AND SERVICES DESCRIBE						OF THE
Gross Amount Total:		\$ 112,419,45				
Item Discount Total:		\$ 84,618.99				
/ Net Amount Total:		\$ 27,800.46	USD			
Gustomer Representative Signature:		Date	7-26-14 :			
Oliver Rozell		Dona	ıld Ragsdale			
Customer Representative		Hall	burton Representativ	e		
Was our HSE performance satisfactory? (Health, Safety, Environment)	We	re you satisfied \	vith our equipment?		Were you satisfie	ed with our people?
□Yes □ No		□Yes	□ No	,	□Yes	□ No
Comments:						

Field Ticket

Original

Field Ticket Number: 0901695654	Field Ticket Date: Friday, Septe	ember 26, 2014	Planning Order#: NA
Bill To:	Job Name:	HCT_ELRENO_0	DR_PLG_4482
SANDRIDGE ENERGY INC EBUSINESS, PO BOX 548807 - DO NOT MAIL,	Order Type:	ZOH	
OKLAHOMA CITY, OK, 73154	Well Name:	EUGENE 3306 1-	-10H 1L
	Company Code:	1100	
	Customer PO No.:	n/a	
Ship To:	Shipping Point:	DUNCAN (FIELD	CAMP) SP
EUGENE 3306 1-10H 1L,HARPER, ANTHONY, KS, 67003	Sales Office:	MID-CONTINENT	TBD
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Well Type:	HORIZONTAL O	IL
	Well Category:	Development	
	Rig Name/#;		

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
123668	FASDRILL - BOM	4	JOB	0.00	0.00		0.00
1105	ST MILEAGE, NEAREST BASE, JUNIT, JMILE Number of Units	89 1	МІ	6.05	538.45	44.200 %	300.46
87057	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	75 1	МІ	0,00	0.00		0.00
104216	OPERATORISPECIALIST SPEC TOOLS HR/DAY/WEEK/MTH/YEAR/JOB/RUN HOURS (MIN8)	1 H 8	MAN	0.00	0.00		0.00
1096	ST ENVIRONMENTAL CLEAN UP & DISPOSAL NUMBER OF JOBS NUMBER OF UNITS ENTER FEETMETERWOBYDAY	1 1 1 JOB	EA	0.00	0.00		0,00
104539	ST EZ DRLL W/L ADPTR KIT,4 1/2-13 3/BJOB NUMBER OF JOBS	1	EA	0.00	0.00		0.00
102054482	FRAC PLUG ASSY,8K 275F,FAS DR FUSION 275	11	EA	19,171.00	111,881.00	84381.00 \$	27,500,00
Anna Carlotte Control of C		L	Totals	USD	\$ 112,419.4 5	\$ 84,618.99	\$ 27,800.46

Directional Survey	Measured Depth	Sub-Sea Incl.	Vertical Azim.	True Vert Depth	Northings (+) Southings (-)	Eastings (+) Westings (-)	Vert Section	DLS deg/100'				
Calculations	(ft)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
SHL	0	0.00	0.00	0.00				0.00	-199	5497	3033	2241
BHL Miss Estat	9628 4639	92.20 70.42	177.60 177.70	4458.98 4412.40		998.41		0.00 9.81	4965 128	330 5170	3948 3028	1344 2247
Miss Entry Top Perf	5260	90.52	169.03	4469.72				4.37	741	4557	3067	2210
Boltom Perf	9550	91.93	177.95	4461.90				1.14	4887	408	3946	1345
EUGENE 3306 1	I-10H	Lateral #1 -										
Survey Points	SW Corne NE Corne	r XY Goord r XY Goord r XY Goord r XY Goord	X 2155541 2155627 2160814 2160918	Y 193270 187965 193339 188049		Surface XY	X 2158570	Y 193509	East South	Line slope Line slope Line slope Line slope	m 0.0130855 -0.0196597 0.015876 -0.0162111	
	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'			T	
	(ft)	(deg) 0.0	(fi) 0	(ft)	(ft) O	(ft) 0	(fl) 0	(deg)	FNL -199	FSL 5497	FWL 3033	FEL 2241
	16	0.0	0	16	AND THE RESERVE AND ADDRESS OF THE PARTY OF	0	A STATE OF THE PARTY OF THE PAR	0	-199	5497	3033	2241
	250	0.5	136.28	249.99703	-0.73791123			0.213675	-199	5497	3034	2240
	696	0.25	136.28	696		2.723103		0.056054	-196	5494	3036	2238
	801	0.03	136.28	801	-3.03299832	2.90042237	3.08414934	0.209524	-196	5494	3036	2238
	1,267	0.33	196.79	1,267	-4.40594099	2.59708943	4.45147471	0.067878	-195	5493	3035	2238
	1,642	0.34	168.08	1,642	-6.52846951	2.51495089	6.57220471	0.044372	-193	5491	3035	2238
	1,736	1.52	6.76	1,736		2.71932652		1.96309	-194	5492	3036	2238
	1,768	3.04	354.63	1,768		2.68987136			-195	5493	3035	2238
	1,800	4.38	350.63	1,800		2.41150423		4.26237	-197	5495 5498	3035 3035	2238 2239
	1,831 1,863	5.18 5.65	352.07 352.55	100.00	0.307693934 3.300380589	2.02570424 1.62216128		1.475543	-200 -203	5498 5501	3035	2239
	1,926	5.76	355.27	0.50	9.526060096		-9.50747259	0.463286	-209	5507	3034	2240
	1,989	5.43	352.94	1,988	15.6349433		-15.6265504	0.635818	-215	5513	3033	2240
	2,052	5.8	352.52	2,051	21.7493806		-21.7539176	0.590909	-221	5519	3033	2241
	2,115	6.39	353.83	2,113				0.96212	-228	5526	3032	2241
	2,179	6.15	353.85	2,177	35.3404389	-1.98972853	-35.3702589	0.375016	-235	5533	3031	2242
	2,242	5.9	351.95	2,240	41.90174329	-2.80469845	-41.9450312	0.507567	-241	5539	3031	2243
	2,305	6.41	351.78	2,302	48.58845153			0.81004	-248	5546	3030	2243
	2,369	6.18	351.53	2,366			-55.6078819		-255	5553	3029	2244
	2,432	5.98	351.83	2,429				0.321441	-262	5560	3028	2245
	2,495	6.58	354.68	100	68,97660496			1.072985 0.615021	-268 -280	5566 5577	3027 3027	2246 2246
	2,590 2,685	6.84 6.6	359.16 0.17		80.05280518 91.16882314			0.281593	-280	5589	3027	2246
	2,779	6.26	0.82		101.6952502			0.369893	-301	5599	3027	2246
	2,874	6.72	2.7		112.4263639			0.533316	-312	5610	3028	2245
	2,969	6.73	358.82		123.5439586			0.478303	-323	5621	3028	2245
	3,064	6.5	356.73	3,056	134.4777669	-7.04918815	-134.581943	0.350453	-334	5632	3028	2245
	3,159	6.35	357.77	3,151	145.095765	-7.56032997	-145.207358	0.199839	-345	5642	3028	2245
	3,254	6.07	358.98	3,245	155.367407	-7.85416597	-155.482603	0.325334	-355	5653	3028	2245
	3,349	6.11	357.01	3,340	165.4383276	-8.20729739	-165.558214	0.22398	-365	5663	3027	2246
	3,443	5.58	356.56	410 6 700 000	174.9959877			0.565929	-374	5672	3027	2246
	3,538	4.55	351.18	,	183.3301943			1.192783	-383	5681	3026	2247
	3,601	2.19	347.77				-187,129013 -188,551735		-386 -388	5684 5686	3026 3025	2247 2247
	3,664 3,696	0.44 1.46	357.85 177.57				-188.551735		-388	5686	3025	2247
	3,727	3.44	172.05		186.7943222			6.42491	-386	5684	3026	2247
	3,759	5.34	173.21	10.50	184.3646664		-184.51405		-384	5682	3026	2247
	3,791	7.39	175.17				-180.97875		-380	5678	3026	2247
	3,822	9.9	176.71	3,811	176.1871983	-9.36256516	-176.325947	8.130414	-376	5674	3026	2247
	3,854	12.44	177.39	3,842	169.9967515	-9.04768951	-170.130876	7.948031	-369	5667	3027	2246
	3,886	15.35	177.74	00.00	162.3198609			9.097502	-362	5660	3027	2246
	3,917	18.38	177.68				-153.459053		-353	5651	3027	2246
	3,949	21.49	178.38	0.00	142.4317401			9.747159	-342	5640	3027	2246
	3,981	23.04 25.37	178.22 177.96		130.3129642		-130.428205 -117.720582	4.847449 7.523974	-330 -317	5628 5615	3027 3028	2246 2246
	4,012 4,044	27.72	177.96	1.0.00.000	103.3209067		-117.720582		-303	5601	3028	2245
	4,044	30.14	178.4	100			-88.4304782		-288	5586	3028	2245
	4,107	31.48	178.56		71.95035045			4.19532	-271	5569	3028	2245
	4,138	34.33	178.98	180000000000000000000000000000000000000			-55.2025685		-255	5552	3028	2245
	4,170	36.62	179.29	200	36.54758532			7.17828	-236	5534	3028	2245
	4,201	39.18	179.38	4,151	17.50761	-4.89190812	-17.5919187	8.259988	-217	5515	3028	2245
	4,233	41.13	178.57		-3.12311041				-196	5494	3028	2245
	4,265	42.95	177.57	4,199		-3.79491906	24.4667042		-175	5473	3029	2245
	4,296	44.86	177.63	4,221		-2.89493767		6.162752	-153	5451	3029	2244
	4,328	47.25	177.84	4,244		-1.98527158		7.483673	-130	5428	3030	2244
	4,360	47.51	179.41	4,265		-1.42093309		3.700553	-107 -84	5405 5382	3030	2244

-115.63 -1.28090937

4,391

48.61 179.89

4,286

116 3.730611

-84

5382

2244

3030

ſ	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'	ENII T	FSL	FWL	FEL
l	(fl) 4,423	(deg) 50.3	(ft) 181.42	(fl) 4,307	(fl)	-1.56295975	(fl) 140	(deg) 6.410049	FNL -59	5357	3029	2245
	4,485	56.12	180.87	4,344		-2.54565027	189		-10	5308	3029	2247
	4,517	59.35	180.07	4,361	-216.62		217		17	5281	3027	2248
	4,548	62.34	179.19	4,376		-2.58638924	244	9.958521	44	5254	3026	2248
	4,580	65.58	178.29	4,390	-272.43	-1.95113327	272	10.43544	73	5225	3027	2248
	4,612	67.66	178.03	4,403		-1.00755269	302		102	5196	3027	2248
	4,643	70.83	177.65	4,414	-330.75		331		131	5167	3028	2247
Ton of Tongont	4,675	73.26	177.92	4,424	-361.17			7.636044	162	5136	3028	2246
Top of Tangent @ 4743'	4,743 4,801	80.48 82.68	177.13 176.94	4,439 4,448	-427.28 -484.58		427 485		228 285	5070 5013	3030 3032	2245 2243
@ 4140	4,864	82.15	176.83	4,456	-546.93		547		348	4950	3034	2241
	4,898	82.48	177.14	4,460	-580.58		581		381	4917	3036	2240
Btm of Tangent	4,943	83.89	176.95	4,466	-625.20			3.161254	426	4872	3037	2238
@ 4943'	4,991	87.46	176.42	4,469	-672.98	17.3311014	673	7.518528	474	4824	3039	2237
Top of Window	5,054	89.75	174.97	4,471	-735.78		736		537	4761	3043	2233
4994	5,148	90.28	173.5	4,471	-829.30	31.500656	830		630	4667	3051	2225
	5,220	91.26	170.98	4,470	-900.62	41.220414	901		702	4596	3059	2217
	5,316	89.48	166.29	4,469	-994.71		996		796	4502	3077	2200
	5,347 5,442	89.45 88.52	165.4 163.98	4,470 4,471	-1,024.77 -1,116.38	67.7124953 92.791411	1,026 1,118		826 918	4471 4379	3084 3108	2193 2170
	5,537	88.74	162.13	4,471	-1,110.38	120.470433	101410-0000	1.960536	1009	4288	3134	2144
	5,632	89.42	159.92	4,475	-1,297.04	151.354298		2.433648	1100	4198	3163	2115
	5,727	88.74	159.7	4,477	-1,386.19	184.13761	2.000	0.752309	1189	4108	3195	2084
_	5,821	88.8	157.3	4,479	-1,473.63	218.578286	1,477	2.553401	1277	4020	3228	2051
î	5,917	89.88	154.59	4,480	AND DESCRIPTION OF THE PARTY OF	257.702573		3,038616	1365	3932	3265	2014
	5,980	90,62	154,77	4,479	-1,618.22	284.645547		1.208852	1423	3875	3291	1988
	6,075	90.25	155.72	4,479	-1,704.49	324.424062	1,710	1.07314	1509	3788	3330	1950
	6,133 6,224	90.83 92.19	156 156.76	4,478 4,476	-1,757.41 -1,840.76	348.143012 384.590269	1,763	1.11042 1.711879	1563 1646	3734 3650	3353 3388	1927 1892
	6,318	91.54	158.96	4,473	-1,927.77	419.9947		2.439239	1734	3563	3422	1859
	6,412	90.99	160.23	4,471	-2,015.85	452.759273		1.472012	1822	3474	3453	1828
	6,507	91.63	160.17	4,469	-2,105.21	484.93079		0.676637	1912	3384	3484	1797
	6,601	90	159.52	4,467	-2,193.44	517.315083	2,202	1.866797	2001	3296	3515	1766
	6,696	90.09	159.34	4,467	-2,282.39	550.693411		0.211838	2090	3206	3547	1735
	6,791	88.49	159.01	4,468	-2,371.17	584.463538		1.719652	2179	3117	3579	1703
	6,886	89.57	159.73	4,470	-2,460.06	617.92945		1.366248	2269	3027	3611	1671
	6,981 7,076	90.31 91.36	159.29 159.38	4,470 4,469	-2,549.05 -2,637.93	651.183292 684.705086	2,560	0.90624 1.109315	2358 2448	2938 2848	3643 3675	1640 1608
	7,070	90.09	159.78	4,469	-2,726.01	717.498204	2,738	1.41648	2536	2760	3706	1577
	7,265	89.78	159.42	4,468	-2,815.06	750.612432	115	0.500083	2626	2670	3738	1545
	7,360	90.31	159.37	4,467	-2,903.98	784.045018		0.560372	2715	2581	3770	1514
	7,455	90.19	160.48	4,467	-2,993.20	816.652928	3,007	1.175218	2805	2491	3801	1483
	7,518	89.88	163.22	4,467	-3,053.06	836.275893	3,067	4.376947	2865	2431	3820	1464
	7,613	90.06	165.24	4,467	-3,144.48	862.093298	3,159	2.13474	2956	2339	3844	1440
	7,708	89.41	168.19	4,467	-3,236.93	883.921119	3,252	3.1797	3049	2246	3864	1420
	7,771 7,834	89.51 89.23	169.77 171.03	4,468 4 469	-3,298.76 -3,360.88	895.962747	0100000	2.512843	3111	2184 2122	3875 3885	1410
	7,834 7,929	89.91	172.68	4,469 4,469		906.468339 919.926837		2.048668 1.878502	3173 3268	2028	3897	1400 1389
	8,023	89.85	174.32	4,470	-3,548.30	930.567554		1.745844	3361	1934	3906	1380
	8,118	90.43	175.03	4,469	-3,642.89	939.38392		0.965036	3456	1839	3913	1373
	8,213	91.23	176.4	4,468	-3,737.61	946.481241	150	1.669832	3551	1745	3919	1368
	8,308	91.2	177.95	4,466	-3,832.47	951.162168		1.631518	3646	1650	3922	1365
	8,403	90.55	177.92	4,465	-3,927.40	954.584911		0.684939	3741	1555	3924	1363
	8,498	88.8	178.19	4,465	-4,022.34	957.809063		1.863899	3836	1460	3925	1362
	8,592 8,687	89.23 89.82	177.83 177.41	4,467 4,468	-4,116.27 -4,211.18	961.072743 965.017651		0.596562 0.762331	3929 4024	1366 1271	3927 3930	1361 1358
	8,782	90.43	177.41	4,468	-4,306.09	969.285695		0.642881	4119	1176	3932	1356
	8,877	90.25	178.08	4,467	-4,401.01		4,418	0.69981	4214	1081	3935	1354
	8,909	89.41	177.84	4,467	-4,432.99	974.137811		2.730038	4246	1049	3935	1354
	8,972	89.69	177.74	4,467	-4,495.94	976.567154		0.471937	4309	986	3937	1352
	9,067	90.49	177.63	4,467	-4,590.86	980.404488		0.850028	4404	891	3939	1351
	9,162	89.38	178.82	4,467	-4,685.81	983.346989		1.712963	4499	796	3940	1349
	9,257	90.34	178.64	4,468	-4,780.79	985.452527		1.028136	4594	701	3941	1349
	9352 9446	91.02 91.14	178.14 177.77	4466.44 4464.67	-4876 -4970	988 991	4892.56 4986.53	0.89 0.41	4689 4783	606 512	3942 3944	1348 1347
	9541	91.82	178.09	4462.22	-5065	995	5081.48	0.79	4878	417	3946	1345
	9572	92.20	177.60	4461.13	-5096	996	5112.46	2.00	4909	386	3946	1345
	9628	92.20	177.60	4458.98	-5151	998	5168.40	0.00	4965	330	3948	1344

