WAIER WELL RE		FOLIH W WC			water Resourc				
1 LOCATION OF WA	TER WELL:	Fraction	SW 1/2	Section Numb	ber Townsl		Range Number R		
County: Sedy w Distance and direction	from nearest town or	city street address of v	well if C	Hobal Positio	oning System	s (decimal deg	rees, min. of 4 digits)		
located within city?		NII	, I	_atitude: _	37°45 97 18	167			
2 WATER WELL ON	100 E.31)	CIT WICKIZA	1 K 5	Longitude:	97 18	635			
2 WATER WELL OV RR#, St. Address, Bo	VNEK: 77,11,MGA x # 2000 E. :	3725 SE. NOCEY	. 1	Elevation:					
City, State, ZIP Code				Datum:	tion Method:				
3 LOCATE WELL'S	4 DEPTH OF CO	ハKケ 6721 MPLETED WELL	21.0	Data Concet	ft.				
LOCATION									
WITH AN "X" IN	Depth(s) Groundwa	ter Encountered (1) WATER LEVEL		ft. (2).		. ft. (3)	ft.		
SECTION BOX:	WELL'S STATIC V	WATER LEVEL	. ft. t	elow land su	irtace measure	d on mo/day/	yr		
	Pump test data: Well water wasft. after								
NW NE									
W E	WELL WATER TO BE USED AS: 5 Public water supply 1 Domestic 3 Feedlot 6 Oil field water supply 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 8 Air conditioning 11 Injection well 12 Other (Specify below)								
SW 1 SE	Was a chemical/bac	teriological sample sul	mitted to D	epartment?	Yes	No;	If yes, mo/day/yrs		
	Sample was submitt	ed	Water	well disinfec	eted? Yes	No .X.			
S									
5 TYPE OF CASING U	JSED: 5 Wroug	ht Iron 8 Con	ncrete tile	CA	ASING JOINT	S: Glued	Clamped		
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded									
Blank casing diameter	2" in. to	? ft., Diameter	in	. to	ft., Diamete	ri	in. toft.		
Casing height above land surface Flash In., Weight In., Weight									
TYPE OF SCREEN OR	PERFORATION MA	TERIAL:							
1 Steel 3 Sta 2 Brass 4 Ga	inless Steel 5 Fill	berglass 7 PVO oncrete tile 8 RM (S	9 Al (R) 10 A				hole)		
SCREEN OR PERFORA			1011	SOUBLOB COM	12 1 101	to used (open	11010)		
		Gauzed wrapped 7							
2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify)									
SCREEN-PERFORATED INTERVALS: From ft. to ft., From ft. to ft.									
From									
From ft. to ft., From ft. to ft.									
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other									
Grout Intervals: Fro	om! ft. to .	ft., From	.4 f	t. to	ft., From		ft. toft.		
What is the nearest source of possible contamination:									
1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide Storage 16 Other (specify 2 Sewer lines 5 Cess pool 8 Sewage lagoon 1 Fuel storage 14 Abandoned water well below)							` - •		
2 Sewer lines 5 Cess pool 8 Sewage lagoon 1 Fuel storage 14 Abandoned water well below) 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well									
Direction from well?!			How many	feet? 7.5					
FROM TO	LITHOLOG	GIC LOG	FROM	TO	PLU	GGING INTI	ERVALS		
	re Boo	-119							
)							
	209								

7 CONTRACTOR'S O	R LANDOWNER'S	CERTIFICATION:	This water v	well was (1)	constructed, (2	2) reconstruct	ed, or (3) plugged		
under my jurisdiction and	7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year)								
under the business name	ractor's License No	700 one of 7	er well Rece	ord was comp (signature)	pleted on (mo	day/year)			
INSTRUCTIONS: Use types	writer or ball point pen. P.	LEASE PRESS FIRMLY and	l PRINT clearl	y. Please fill in	blanks, underlin	e or oncie the co	orrect answers. Send top		
three copies to Kansas Departr	nent of Health and Environ	ment, Bureau of Water, Geo	ology Section,	1000 SW Jackso	on St., Suite 420,	Topeka, Kansas	66612-1367. Telephone		
785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.									

URS Austin, Texas

SOIL BORING AND WELL LOG

Boring/Well ID: PMW-7
Total Depth: 20 ft bgs

PROJECT INFORMATION	DRILLING INFORMATION						
Project: Unocal/Wichita	Drilling Company: PSA						
Site Location: Wichita, KS	Driller: Aaron Sense						
Site Name:	Equipment: Geoprobe 6620 DT						
Geologist: Kim Nguyen	Drilling Method:Hollow Stem Augers						
Project Manager: Derek Peacock	Sampling Method: Continuous						
Ground Water Depth (ft bgs):	Dates Drilled: 6/18/08						
Top of Casing Elevation (ft msl):	Screened Interval: 4.5-19.5 ft bgs		·				
Ground Surface Elevation (ft msl):	Coordinates: N E						
PG Signature:							
Elevation (ft btoc) Depth (ft) Recovery PID (ppm) Sample ID USCS Symbol	Lithologic Description	Well Completion	Well Description/ Comments				
	Sand and Gravel, fine to medium sand, loose, damp, el up to 1.25" in diameter, subangular gravel		Flush Mount-3X3' Concrete Pad with				
	7: brown (7.5YR 4/3), medium stiff to stiff, high city, damp, manganese inclusions		locking cap Bentonite chips				
	D: light yellowish brown (2.5Y 6/4), well sorted very offine sand, loose to medium dense, moist		2-in, diameter schedule				
0 ML CLAY	YEY SILT: light olive gray (5Y 6/2) and yellowish red 4/6), stiff, friable, non plastic, damp		40 PVC casing				
	'EY SILT: trace very fine sand, light yellowish brown R 5/4), stiff, medium to high plasticity, damp		Filter Pack: 20/40 Sand				
0 increa 5.75' stiff, d	5' grades yellowish red (5YR 4/6); at 5.5' grades with sing sand, loose, dry to damp, olive gray (5Y 5/2); at grades with yellowish red (5YR 4/6), medium stiff to ry to damp; at 6' grades with no yellowish red, friable, asing sand with manganese nodules, dry to damp						
	CLAY: light olive gray (5Y 6/2), medium stiff to stiff, plasticity, dry to damp, iron staining slight olive gray (5Y 6/1) and yellowish red (5Y 4/6), medium stiff, high plasticity, moist		Screen: (15') 2 in. PVC, 0.010-in. slot. (4.5-19.5')				
0 ML CLAY	EY SILT: with trace sand, olive (5Y 5/4) and brown (5/3), friable, hard, low to medium plasticity, damp to t, iron staining		0.010-m. slot, (4.3-19.5)				
0 mediu	: with silt, olive gray (5Y 5/2), stiff to very stiff, am plasticity, dry, Iron staining and manganese es						
	overy, sample stuck in sampler, driller notes ered black shale at bottom of sampler, slightly moist						
	E: very dark gray (2.5Y 3/1), soft to medium stiff, ered, damp		PVC End Cap				
Unocal - Wichita, KS Page 1 of 1 Boring/Well ID: PMW-7							